

20000529.qrp v01\_n836.qrl.20000529

Date: Mon, 29 May 2000 19:03:07 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1836

### QRP-L Digest 1836

Topics covered in this issue include:

- 1) [71270] A portable antenna  
by Andrew Madsen <MADSENANDREW@netscape.net>
- 2) [71271] RE: A portable antenna  
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
- 3) [71272] Re: WM-1 vs WM-2  
by "JC Smith" <jc-smith@worldnet.att.net>
- 4) [71273] FS: S&S TAC-1 for 40M  
by "Alan Fryer" <n3bj@hotmail.com>
- 5) [71274] Re: Novice Sub-band?  
by Ray Colbert <af852@rgfn.epcc.edu>
- 6) [71275] Re: WM-1 vs WM-2  
by Norm Melick <henmel@worldnet.att.net>
- 7) [71276] Re: Elecraft K1  
by "Mike Yetsko" <myetsko@insydesw.com>
- 8) [71277] My K2 and Antenna story  
by "Mike Yetsko" <myetsko@insydesw.com>
- 9) [71278] Dayton 2000 FDIM Photos  
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 10) [71279] DK3 Screwdriver antenna?  
by Wayne <walexan@ipa.net>
- 11) [71280] Three - half waves in phase for 15 meters  
by wb8icn1@juno.com
- 12) [71281] California Board  
by "Dan Reynolds" <bcdlr13@home.com>
- 13) [71282] Re: Novice Sub-band?  
by Curt Milton <wb8yyy@yahoo.com>
- 14) [71283] R2 - info request  
by n5ib@juno.com
- 15) [71284] TM-261 Bias Circuit  
by Curt Milton <wb8yyy@yahoo.com>
- 16) [71285] WPX and the K2  
by wd3p@juno.com
- 17) [71286] Lithium ion batteries  
by mikemo@attglobal.net
- 18) [71287] Re: Kits: DSW Production Interruption  
by Mike <mmorrow@companet.net>
- 19) [71288] Wrangell Island July 2000. (Long) NL7QT

- by Donald I Roher <donroher@juno.com>
- 20) [71289] WANTED:DSW-40 ..... a day too late again  
by Mark Sailer <msailer@buoy.com>
- 21) [71290] WM1 & WM2, thanks for the info.  
by N10DL@aol.com
- 22) [71291] Sily thought? Re: Hard to find through hole chips  
by KD1YV <kd1yv@mindspring.com>
- 23) [71292] BLT Tuner Kit?  
by Wayne <walexan@ipa.net>
- 24) [71293] SMK-1  
by Norm Melick <henmel@worldnet.att.net>
- 25) [71294] SMK-1  
by Norm Melick <henmel@worldnet.att.net>
- 26) [71295] [WEB] ARCI Home Page  
by Joel Malman <malman@world.std.com>
- 27) [71296] NEC2 on Linux  
by Pablo Luis Robles <wp4jxd@isla.net>
- 28) [71297] Re: FS: OHR-100 + TenTec-1330  
by DaveLeDuc@aol.com
- 29) [71298] W1FB Confirmation  
by k4eq@arrl.net (Dale Holloway)
- 30) [71299] Re: Sily thought? Re: Hard to find through hole chips  
by "Mike Yetsko" <myetsko@insydesw.com>
- 31) [71300] Re: BLT Tuner Kit?  
by Shepherd@aol.com
- 32) [71301] Re: [WEB] ARCI Home Page  
by "Gary Ingram" <kb7fci@cdsnet.net>
- 33) [71302] RE: through hole parts shortage?  
by Dave Barrett <DBarrett@creo.com>
- 34) [71303] Composition of Toroids in Norcal Toroid Kit  
by "Luke Enriquez" <vk3em@hotmail.com>
- 35) [71304] Re: SMK-1  
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 36) [71305] RE: Wire/Rope Ant ... need help  
by K4YBB@aol.com
- 37) [71306] upgrade  
by Laura A Fisher <wlfisher@bellatlantic.net>
- 38) [71307] SMD to Through hole: adaptors for  
by S LYON <sslyon@worldnet.att.net>
- 39) [71308] SMiTe Fox Hounded by nature  
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 40) [71309] Re: [WEB] ARCI Home Page  
by "William K. Harding" <k4ahk@ix.netcom.com>
- 41) [71310] Items for sale!  
by wa4dou@excite.com
- 42) [71311] Re: Sily thought? Re: Hard to find through hole chips  
by "John J. McDonough" <wb8rcr@arrl.net>
- 43) [71312] Re: Composition of Toroids in Norcal Toroid Kit

by Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
44) [71313] RE: Portable Antenna  
by Ab5xq@aol.com  
45) [71314] Manhattan Style SMT?  
by "John J. McDonough" <wb8rcr@arrl.net>  
46) [71315] Parts Shortage  
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>  
47) [71316] RE: Parts Shortage  
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>  
48) [71317] SMiTe #53 lives  
by Dean W Manley <kh6b@juno.com>  
49) [71318] Re: [WEB] ARCI Home Page  
by "William K. Harding" <k4ahk@ix.netcom.com>  
50) [71319] RE: through hole parts shortage?  
by Roy <marion@montana.com>  
51) [71320] Anyone goin' to Manassas? N7JI is!  
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>  
52) [71321] Re: [WEB] ARCI Home Page  
by Jeff Davis <jeff@n9avg.org>  
53) [71322] Mizuho MX-7 info  
by wb5qyt@eFortress.com  
54) [71323] Re: [WEB] ARCI Home Page  
by "John J. McDonough" <wb8rcr@arrl.net>  
55) [71324] QRZ.com  
by "John J. McDonough" <wb8rcr@arrl.net>  
56) [71325] OT: New FT-100 with CW problem  
by AD6EZ@aol.com  
57) [71326] QRP and CW Tips  
by "Maddog 'n' Miracles" <maddog@io.com>  
58) [71327] Re: source for RG-174  
by W1XV@cs.com  
59) [71328] Re: [WEB] ARCI Home Page  
by "William K. Harding" <k4ahk@ix.netcom.com>  
60) [71329] Will be sitting on the fence today...  
by "K7FD-N7SG" <cqdx@teleport.com>  
61) [71330] Re: [WEB] ARCI Home Page  
by "John J. McDonough" <wb8rcr@arrl.net>  
62) [71331] Re: source for RG-174  
by Vance Huntsinger <vhuntsinger@iwiw.net>  
63) [71332] Slow code practice need help again  
by Ronnie Davis <ke4vpn@yahoo.com>  
64) [71333] K2 & FT100 VFO DIAL KNOB...??  
by "Andy GM0NWI" <Gm0nwi@tesco.net>  
65) [71334] R2 Info  
by n5ib@juno.com  
66) [71335] Kanga Web page rebuild  
by "John Fletcher" <johnf@innotts.co.uk>  
67) [71336] ARCI Hoot Owl Sprint from Pike National Forest

- by "David Ek" <ekdave@earthlink.net>
- 68) [71337] Re: upgrade  
by Steve Yates <aa5tb@yahoo.com>
- 69) [71338] Re: QRP and CW Tips  
by hamjoel@juno.com
- 70) [71339] Re: Will be sitting on the fence today...  
by Wb8siw@aol.com
- 71) [71340] Li-Ion Batteries  
by W0rw@aol.com
- 72) [71341] RE: K2 & FT100 VFO DIAL KNOB...??  
by Radman <radman@best.com>
- 73) [71342] Re: through hole parts shortage?  
by Jon Iza <iapizloj@bicc00.bi.ehu.es>
- 74) [71343] San Luis Machine Co  
by "Art Neilson, WH7N" <art@pilikia.hi.net>
- 75) [71344] Guide to Making CW Contacts  
by KC4FKX@aol.com
- 76) [71345] Re: source for RG-174  
by "JC Smith" <jc-smith@worldnet.att.net>
- 77) [71346] Re: Guide to Making CW Contacts  
by john@neknetwork.com
- 78) [71347] Re: San Luis Machine Co  
by Roy <marion@montana.com>
- 79) [71348] Re: San Luis Machine Co  
by Al Patrick <arp@inet4u.com>
- 80) [71349] Re: SMK-1 Web Photos of my work  
by "James P. Osburn, P.E." <j.p.osburn@ieee.org>
- 81) [71350] QRP Weekend  
by "J. Ervin Bates" <w8erv@email.msn.com>
- 82) [71351] My Member # in Mich. QRP Club?????????  
by wa4dou@excite.com
- 83) [71352] QRP-L CD Version 3 - Weekly Friday Repost (long) and late this week  
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 84) [71353] Re: [Elecrafft] KBR1 ground-mount bracket update: desktop use  
by Phil Wheeler <w7ox@earthlink.net>
- 85) [71354] Re: San Luis Machine Co  
by Phil Wheeler <w7ox@earthlink.net>

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Date: 28 May 00 16:00:22 PDT  
From: Andrew Madsen <MADSENANDREW@netscape.net>  
To: qrp-l@Lehigh.edu  
Subject: [71270] A portable antenna  
Message-ID: <20000528230022.4675.qmail@wwwcst272.netaddress.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

I will be camping at a site with few if any trees this summer. I want to bring a QRP rig, but am looking for ideas for a portable antenna that is freestanding(a vertical) and is small enough for backpacking. It should be either easy to assemble after reaching the campsite, or something that can be folded up so it's only 2 or 3 feet long. I intend to use it on 20 meters=2E =

Any ideas, things that have worked for you, or references to projects would be greatly appreciated.

TNX es 73/72,  
Andrew AC7CF

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Date: Sun, 28 May 2000 16:27:55 -0700  
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>  
To: "'MADSENANDREW@netscape.net'" <MADSENANDREW@netscape.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [71271] RE: A portable antenna  
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBB73@arcadia-pd1.arcadiapd.com>  
MIME-Version: 1.0  
Content-Type: text/plain

You might begin with telescoping sections of aluminum tubing, using hose clamps to secure them. Cut four slots about one inch deep on each top so the next smaller piece can fit in and be clamped securely.

You can use a manual or auto-tuner right at the antenna base. It should be 1/4 wave at the lowest freq, but will work if 1/8 wave, but it will be less efficient and possibly hard for some tuners to load.

The base can be a lucite or other plastic rectangular block, with the tubing U-bolted to it. Alternately, a thick plastic tube or rod could be used as base insulator.

The radials can be #18 to #24 wire and may lay on the ground, basically a ground-mounted vertical.

The alum tubing could also be used as a center support for an end-or center fed vee. You may want to pack enough wire for either antenna.

73  
Jay  
W6CJ

-----Original Message-----

From: Andrew Madsen [mailto:MADSENANDREW@netscape.net]  
Sent: Sunday, May 28, 2000 4:00 PM  
To: Low Power Amateur Radio Discussion  
Subject: A portable antenna

I will be camping at a site with few if any trees this summer. I want to bring a QRP rig, but am looking for ideas for a portable antenna that is freestanding(a vertical) and is small enough for backpacking. It should be either easy to assemble after reaching the campsite, or something that can be folded up so it's only 2 or 3 feet long. I intend to use it on 20 meters. Any ideas, things that have worked for you, or references to projects would be greatly appreciated.

TNX es 73/72,  
Andrew AC7CF

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<http://webmail.netscape.com>.

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Date: Sun, 28 May 2000 16:31:41 -0700  
From: "JC Smith" <jc-smith@worldnet.att.net>  
To: <N10DL@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [71272] Re: WM-1 vs WM-2  
Message-ID: <007701bfc8fc\$e30c2140\$d666480c@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Aron,

I believe the WM-2 is just a WM-1 that incorporates an external power jack, a mod many were doing to their WM-1s. Many of us also added a LED to remind us to turn the thing off and save the battery. I may be wrong, but I don't think the WM-2 incorporates that.

72 - JC,k0hps@amsat.org

----- Original Message -----

From: <N10DL@aol.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Sunday, May 28, 2000 3:11 PM

Subject: WM-1 vs WM-2

> I just purchased a WM-1 on e-bay and am wondering what the real difference is  
> between the two. I plan on using this one for travel. Have the WM-2 at home  
> and use it all the time.  
> BTW...guess I was smart to order another DSW for 20 meters. Have one for 30  
> and would never let this rig out of my hands. Best kit/rig I hve seen on the  
> market for the \$\$\$'s yet. If they ever do come back on the market my order  
> will in as soon as I hear...  
> Aron  
> N10DL  
> Bedford, NH  
>

-----  
Date: Sun, 28 May 2000 16:40:53 PDT

From: "Alan Fryer" <n3bj@hotmail.com>

To: qrp-1@lehigh.edu

Subject: [71273] FS: S&S TAC-1 for 40M

Message-ID: <20000528234053.71685.qmail@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

For Sale;

S&S Engineering TAC-1 for 40m. Wonderful rig, factory assembled, Serial Number 108 with audio filter and keyer built in. Gets 8 watts out, can be

adjusted to milliwatts, if desired. Perhaps the best RX in a single band radio, diode ring mixer and nice AGC. Original manual.

\$200 shipped or trade ??

Alan, N3BJ

-----  
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-----  
Date: Sun, 28 May 2000 17:47:13 -0600  
From: Ray Colbert <af852@rgfn.epcc.edu>  
To: qrp-l@lehigh.edu  
Subject: [71274] Re: Novice Sub-band?  
Message-ID: <3931B001.8B5FF861@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I would say it is moderately important particularly on weekends like this one where if one wishes to operate, have a scheduled contact or just a non-contest qso, the "novice" portion of the bands is about the only recourse available, especially if you are using a non-WARC band rig. Plus, in the U.S. the power is limited to the 200 watt level (except for 28.3-28.5) so some additional relief from the big gun stations.

73

Ray

--

"The more I see of the representatives of the people, the more I admire my dogs." letter from Count d'Orsay to John Foster 1850  
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2 SOC#78  
MI-QRP 379QRP-ARCI 5784 NORCAL 1110, El Paso, (FAR WEST) TEXAS

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-----  
Date: Sun, 28 May 2000 17:02:53 -0700  
From: Norm Melick <henmel@worldnet.att.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [71275] Re: WM-1 vs WM-2  
Message-ID: <3931B3AD.ACE09F35@worldnet.att.net>



MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

N10DL@aol.com wrote:

> BTW...guess I was smart to order another DSW for 20 meters. Have one for 30  
> and would never let this rig out of my hands. Best kit/rig I hve seen on the  
> market for the \$\$\$'s yet.

To those of you that own a DSW series rig, from those of us  
who woke up in the morning to be told that the series was  
discontinued, were happy for you.

Norm/KQ6SD

-----  
Date: Sun, 28 May 2000 20:00:26 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <henmel@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [71276] Re: Elecraft K1  
Message-ID: <006f01bfc903\$a18695a0\$fa60fea9@dads-hp>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hmm, I'm surprised...

But then, Elecraft people are probably flat out right now.

I can check my K2 manual if you want, on the off chance it's  
the same, but at best it's a guess.

Mike

>Mike Yetsko wrote:  
>  
>> Have you checked the Elecraft web page?  
>  
>Yes, hence the question.  
>  
>Norm Melick  
>

-----  
Date: Sun, 28 May 2000 20:10:49 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <K5KW@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [71277] My K2 and Antenna story  
Message-ID: <007001bfc903\$a29ac4c0\$fa60fea9@dads-hp>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well, I did an antenna today.

I ran to RS and just bought some 300ohm twinlead and a spool of 18ga speaker wire. I measured out back, and while not the widest spacing, there were some 'easy access' trees about 75 feet apart. And midpoint between them was only about 10 feet offset from my bedroom window.

So, I cut some 1/4 plexiglass to make two insulators, and a center piece, and cut off about 33 feet of wire for 40M and made a dipole. I managed to get one end about 60' in the tree by throwing a 'ball' made from about 10 'body washers' wrapped with duct tape and trailed with 25lb surf line into the tree. I hoisted a 3/8" rope with a pulley on the end up there. And I didn't even forget to put a SECOND rope in the pulley first! I did the same thing on the other end, only about 40 feet up.

I hooked it to my MFJ-901 (no ATU... yet) and to my K2 and viola, I'm alive!! At first I thought the bands were dead!! But then there was this guy on 20 meters running a traffic net from West Palm Beach requesting '1' stations, so I went back at 5w, and got through on my first try. So I must be alive!!

It was wierd. Almost no background noise. And the antenna tunes almost end to end on 40, 20, and 15 without a budge of the SWR meter. 10 I just can't get to tune, nor does 80.

Can this thing be THAT different from my long wire??

Mike  
N1DVJ  
K2# 1058

-----  
Date: Sun, 28 May 2000 19:45:08 -0500  
From: "Jerry Scherkenbach" <jerrys@execpc.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Cc: "WA9TZE, Jim Akre" <jsakre@execpc.com>, "Richoz, Lon R (MED)"  
<Lon.Richoz@amermsx.med.ge.com>, "NK9G, Rick" <mcgaver@execpc.com>,  
"AE9K, Brian" <ae9k@yahoo.com>, "KF0CT, Chuck" <chu\_r@hotmail.com>  
Subject: [71278] Dayton 2000 FDIM Photos  
Message-ID: <03e201bfc907\$24c97600\$ab85cfa9@Pjerrys>

Better late than never I guess..... Here's a link to the digital  
photos I took at Vendor night and the Building Competition night at the QRP  
FDIM suites. I think I shot all of the radios and various competition  
entries. Unfortunately, I did not get all of the corresponding callsigns  
and entrants matched with the photos.

<http://photos.yahoo.com/n9aw>

Enjoy.

72  
Jerry N9AW

-----  
Date: Sun, 28 May 2000 19:58:01 -0500  
From: Wayne <walexan@ipa.net>  
To: qrp-1@Lehigh.EDU  
Subject: [71279] DK3 Screwdriver antenna?  
Message-ID: <4.3.1.2.20000528195633.00a61260@popd.ipa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"; format=flowed  
Content-Transfer-Encoding: quoted-printable

Does any one know how to contact W6AAQ Don Johnson?  
If so reply direct.  
Thanks,  
73,  
Wayne  
N=D8EA

-----  
Date: Sun, 28 May 2000 20:56:04 -0400

From: wb8icn1@juno.com  
To: kc8aon@juno.com, qrp-l@Lehigh.EDU  
Cc: wb8icn1@juno.com  
Subject: [71280] Three - half waves in phase for 15 meters  
Message-ID: <20000528.205711.-175867.3.wb8icn1@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Hi Rick,

I read your post on the QRP-L reflector (shown below), [Sat, 27 May 2000 20:31:45 EDT Sat] with great interest. I use a G5RV for 80 thru 10 set-up at 40 feet. Do you know if this version of a multi half wave antenna is better than the G5RV made up for 40 thru 10 meters?

If 7 MHz is used in the formula, would this concept work in regards to gain on 20 meters? I do like the idea of using balanced line all the way in to the tuner to save on line loss.

Any comments or suggests would be greatly appreciated!

Dah-Dit-Dah,  
73's, Mike...WB8ICN  
K2 S/N 383, FISTS #7065, QRP ARCI #9982, MI QRP #1442  
QCWA Chapter 10, Michigan - Net meets on Sundays, 3903 MHz at 0800 EST  
web page - <http://www.qsl.net/wb8icn> - e-mail - [wb8icn@qsl.net](mailto:wb8icn@qsl.net)

For a good multiband ( 10 thru 40 meters ) antenna, try a 3 half waves in phase doublet for 15 meters. It is derived by using the formula for the G5RV, but substituting 21 Mhz in place of the usual 14 Mhz ( I'll give the formulas below ). The 3 half wave 15 meter doublet is almost exactly the same size as a conventional 40 meter dipole, so it works good from 40 on up, And exhibits some gain on the higher bands ! The formulas for the doublet are as follows: For the length of the flat top section use:  $1428 / F \text{ Mhz} = \text{Length in feet}$ , and for the matching section use:  $468 / F \text{ Mhz} \times \text{velocity factor} = \text{length in feet}$ . Note: you can also use balanced line all the way to the transmatch and cut down on feedline loss. Here are the dimensions of the 15 meter doublet. As always, try to get it as high as possible and try to get as much of the balanced matching stub as verticle as possible.

-----

Date: Sun, 28 May 2000 20:08:28 -0500  
From: "Dan Reynolds" <[bcdlr13@home.com](mailto:bcdlr13@home.com)>  
To: "qrp-L Reflector" <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>

Subject: [71281] California Board  
Message-ID: <000d01bfc90a\$6652c6a0\$67cc0f18@c375497a>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I would like to talk with someone (off-list) who has built the California Board SSB transceiver for 20 meters. This was in the QRPp March 1995. I am thinking of starting this project, with the FAR boards and would like to talk to someone who has built one or more. The author of the article is Bruce Gellatly, VE7ZM and AB6EY did the board design. Also does anyone know of a good source for 9.000 MHz SSB filters (Showa).  
Dan Reynolds  
KB9JLO

-----  
Date: Sun, 28 May 2000 18:33:50 -0700 (PDT)  
From: Curt Milton <wb8yyy@yahoo.com>  
To: dorn@freenet.edmonton.ab.ca, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [71282] Re: Novice Sub-band?  
Message-ID: <20000529013350.4027.qmail@web2002.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Chris, just a few thoughts ...

You can find slower qso's also outside the novice bands. While there are no new novices or tech pluses here in the US, there are still those with those licenses (although since it is now easy to upgrade to general they should be an endangered specie)

on 40m, this band is "shared" with broadcast stations  
- so this spectrum is not quite as valuable at night.

I still find a few qso's in the 15m novice band, but not very often in the 10m novice band. the 80m novice band is very active and also has slow speed nets.

it is nice to have a "slow lane" especially for beginners to use for CW - and for many non-beginners who like to occasionally work CW at a slower pace. hopefully in our band plans this capability will be retained.

Curt WB8YYY

--- dorn@freenet.edmonton.ab.ca wrote:

> Hello,  
> Forgive my ignorance, but could someone enlighten  
> me as to the structure  
> for the slow code portions of the HF bands? I'm not  
> exactly clear about  
> this given the new licensing system that requires a  
> 5wpm only CW exam.  
> Was/is the purpose of the novice portion to increase  
> speed for the  
> 13 wpm exam? In Canada it's still 12wpm for access  
> to most HF bands (at  
> least the last time I checked). I'm wondering how  
> important it is to have  
> a rig that covers the novice portion, given my rusty  
> code.  
>  
> Thanks,  
> Chris VE6RDC  
>

---

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<http://invites.yahoo.com/>

---

Date: Sun, 28 May 2000 21:37:57 EDT

From: n5ib@juno.com

To: qrp-1@Lehigh.edu

Subject: [71283] R2 - info request

Message-ID: <20000528.203316.4663.3.N5IB@juno.com>

A local ham asked me if I knew whether the R2 is kitted by anyone. I had to plead ignorance. Any info appreciated.

72

Jim N5IB

---

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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Sun, 28 May 2000 18:43:33 -0700 (PDT)  
From: Curt Milton <wb8yyy@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [71284] TM-261 Bias Circuit  
Message-ID: <20000529014333.4647.qmail@web2002.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

One of my mobile 2m FM rigs has been out of service. It starts as an intermitant loss of transmit power output. It would seemingly warm up after 20 minutes or so of operating, then fail. Then the next day it might work for an hour or so with noe problem. Then it would come back - and it finally failed completely.

I checked the diodes, ordered a new final then upon replacing it, still no transmit. I did verify the low level stage is working, as i managed to radiate some milliwatts when the final was ungrounded plus I can hear it in an HT.

Since this rig was not supplied with a schematic, i was wondering if any one can help me identify the devices that provide the bias to the final module (an SAV-17). I did spot some larger surface mount transistors that might supply bias to the final ...

Curt WB8YYY

-----  
Do You Yahoo!?  
Kick off your party with Yahoo! Invites.  
<http://invites.yahoo.com/>  
-----

Date: Mon, 29 May 2000 02:23:17 +0100  
From: wd3p@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [71285] WPX and the K2

Message-ID: <20000529.022322.-315153.0.wd3p@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Hi Gang

I almost finished up the K2 last weekend and was going to try to finish the job this Sunday, but Friday night with the WPX going on I decided it would be nice to try it out. So While the contest went on I set up the filters and gave it shot. Then as I worked the contest I refined the filter setting. I know you should not spend contest time setting up and trying out a new rig but I was just in it for the fun. I only operated off and on as I worked on the rig. And Sunday morning I took time off to work on getting the speaker for the rig working and spent some time working on a DSW 40. Seems building is getting to be more fun than operating.

So the first QSO with the new rig was in the contest. Then I just could not stop. In the end I had tried it out on 10,15, 20 and 40. Plus I had slipped in a QSO on 30 meters. This was one fun rig. Most of the QSOs were into Europe. In the end I managed 160 QSOs and something like 53,000 points. Oh I ran the thing at 3 Watts off a set of solar charged sealed lead acid batteries. Managed to use up a 2.2 Ah, a 5.0 Ah, and stared a 4.5 Ah with a half an hour to go in the contest. For part of the time I was running the rig plus one of the older LDG autotuners of the battery. I never did bother to set up the rig to conserve power so this was a good measure of the minimum time I could get by on battery power. The official log from NA claims something like 10 hr contest time. But total time was less than that. I did notice one period when I was off the air for 58 minutes and the logging program said I was on the whole time. I guess you must take full hour breaks for them to count as rest time.

73 de Larry.....WD3P in MD

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Sun, 28 May 2000 22:31:52 -0400

From: mikemo@attglobal.net

To: qrp1 <qrp-1@lehigh.edu>

Subject: [71286] Lithium ion batteries

Message-ID: <3931D698.CAEB78F3@attglobal.net>

MIME-Version: 1.0



Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I scavenged some good cells from a bad laptop battery and built a small battery pack for the K2. These cells seem almost too good to be true. High energy density, light weight and easy to charge. Panasonic suggests charging at .7C for 2 hours with a 4.2 volt/cell limit. I charged them with my bench supply that has voltage and current limits.

The pack is 3 batteries in series for a total of around 12 volts at 1.6 amp hours. Total size is 2"x2.5"x.75" and weighs only 120 grams. Compare to a 2.2 amp hour lead acid battery which is 6.75"x2.25"x1.25" and well over 800 grams.

The down sides I see are a limit on discharge current (panasonic recommends not discharging at over 1C (1.6 amps)), and the fact that they may be easy to damage if charged improperly.

Anyone else used these?

72

Mike Maiorana, KU4QO

-----  
Date: Sun, 28 May 2000 20:38:35 -0500  
From: Mike <mmorrow@companet.net>  
To: nn1g@earthlink.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [71287] Re: Kits: DSW Production Interruption  
Message-ID: <3931CA1B.11EC@companet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I'm sorry to hear about the logistic problems of DSW production, but I'm happy at least that I've got three of the four models (DSW-20, -30, -40) safely in hand and put together. An extraordinary rig!

I'd be eager to get a surface-mount version of the DSW, even for bands for which I've already got a regular DSW, as long as the SM components were pre-assembled in a manner similar to the MFJ Cub units. It would be wonderful if an enclosure kit were available that would be nearly the same size or smaller than the current excellent DSW enclosure.

My wish list would also include:

- a transmitter drive level control on the PCB,
- NON-surface-mount driver and final transistors,
- a heat sink for the final transistor.

Finally, 17m and 21m versions would be great, while the sun spot cycle still has time left for good propagation on these bands.

73,

Mike / KK5F

-----  
Date: Sun, 28 May 2000 19:54:22 -0700  
From: Donald I Roher <donroher@juno.com>  
To: kb5ipq@wans.net, VOLE@PRIMENET.COM, andersbocker@att.net, qrp-1@Lehigh.EDU  
Subject: [71288] Wrangell Island July 2000. (Long) NL7QT  
Message-ID: <20000528.195426.12126.1.DONROHER@juno.com>

Well it is time for our annual post to the QRP-L. We will be back on Wrangell Island for the month of July QRP'ing. This will be our last trip this year. We do several trips aimed at major contests, IOTA and a QRP operation. Wrangell is NA-041 in the Alexander Archipelago.

This trips dates:     Date   26 June to 01 Aug 2000,

This year in preparing to live on the Island full time, we will be taking a 2000 pound crate of gear, food and supplies to The Boyer Barge Company in Seattle to be shipped to the Island. We will then drive to Bellingham and take the Alaska Ferry to Wrangell. It is a 2 1/2 day boat trip. A great way to see south east Alaska and British Columbia. We will arrive and hope to be on the air soon after ( abt. June 26). We left batteries there on the last trip and hope they will come to life after a charging.

I will still continue to spend most of my time on 40 meters". I will at 0905 p.m. Alaska time (0505Z) call CQ on 7.140. As this is becoming a popular frequency, if it is busy I will try 7.145 until 7.140 is clear. I keep a receiver, FRG-100, on 7.140 at all hours.

The reason for the odd starting time is we listen for radiograms. A radiogram can be sent free of charge by phoning KSTK Radio at 800-874-5785, ask that your radiogram be sent to Don Roher or NL7QT at Eastern Passage, list the Freq. time and date Zulu that you would like to try for a contact. Or for the YL's Bonnie (KL0V W) will also be on the air this year. Radio grams are sent 4 times per day, for three days with the last at the 9:00 p.m.

We used to stick to Novice freq., in the 10, 15 and 40 meter bands, with

all the upgrades, I wonder if this is needed any more and perhaps it is time to consider other frequencies and QRP SSB contacts in the general class freqs. We stay in the lower class bands to maximize contact opportunity. Those interested or needing a QSL card from Alaska please comment.

We are often asked what it takes to be heard in Alaska. What makes the contact is: A good antenna system pointed where you need your signal/reply, a dipole cut to the band works very well, good CW the other stations can copy, and I don't mean at 30 WPM. A clean 10 WPM from a keyer will pay great dividends in the log book. This year one of the operators only has 5 wpm, so if you hear KL0V W, and you are a slow code operator here is your chance.

We cut and tune each antenna to the freq. we will operate on.

Equipment at Wrangell:

2 ea. SG-2020s, a LogiKey keyer, wire dipoles-coax fed cut for 40, 20, 15 and 10 meters, up 80 feet above the salt water Alaska Inland Passage. We will add 80 meters this trip. Powered from wet cell batteries, charged from a battery charger when we have the 110 volt generator running. Lighting is A.C. when the generator is on or Kerosene lamps. No phone or electric line here....

The cabin is located in Eastern Passage, south of the Alaska/British Columbia mainland, east of the mouth of the Stitkeim River, the last free flowing wilderness river in North America. We have to walk, boat or use Float Plane to get our gear and supplies in. We welcome anyone who would like to work from this site for any contest or just a visit.

Path fade and flutter make high speed CW almost impossible as the dots drop out of the characters and letters, be prepared to send your call several times. The path combinations at high latitudes also generates a gremlin that sounds like CW, which adds to problem. This was addressed in an ARRL post a few weeks back. We expect the aurora to be hard on us this trip.

The goal here is to get you a QSL card confirmed, QRP Alaska contact. The exchange will not be a rag chew but rather the rapid fire typical DX exchange. The exchange I like to use is: "CQ CQ CQ de NL7QT" sent twice sometimes adding "QTH Wrangell Island". When I hear a reply I send the call sign back twice, if I had a hard copy and question if I am correct I add "??", I don't like to move forward unless I have the correct call sign written down and sometimes ask for a confirmation to insure you are listed in the log correctly. If I know I have your call sign correct I send it, and RST TU, all I need from you "if I do have your call sign correct" is "DE your call, my RST and 73, this lets the next person have a chance before

conditions or path change. If you are QRP stick it in to your reply and if things are slow I will take the time to comment on your signal. Between calls I send "PLS QSL VIA BURO". I only enter your call sign time and RST in the log. I can look up your name, QTH and other information in QRZ later, you can tell me about your equipment and personal life on the card or in an E-mail. You can E-mail me at the donroher@juno.com.

On the last trip there were a few who were able to contact us almost every day. These got to fun at QRP power levels and added to the propagation reports.

I try to post the "Oh my god, you are my first Alaska QRP" messages to the QRP-L to encourage others to turn down the power and join us. We were really impressed last trip with all the 1 and 2 watt contacts. If no one minds I would like to list those to the QRP-L this time.

"QSL VIA BURO", the Alaska QSL bureau forwards my cards. The post office in Wrangell is staffed by a few idiots who love returning cards if the box number is not correct. There is one person there who goes out of here way to make sure we get cards when she is working, Thank you Tammei. The box number is 1705, not the one listed in older call books. QRZ and Buckmaster both have good addresses.

I prefer you send me only your QSL card stamped as a postcard. Envelopes, stamps and dollar bills only slow me down. I feel QSLing is a debt owed to other amateurs, it is an internal part of the hobby and service. I will reply direct with a stamped card. I will send a DX card direct if the card has "I need Alaska". I don't snivel about the 45 to 75 cents for a DX card. If you don't have a QSL card, a postcard is fine. As there is a rather large number of contacts, I only send replies to cards I receive, this helps in the time burden. There are those that will send a SASE, If you like of feel obligated you can enclose a stamp for a post card.

I need to mention, the QSL cards for this trip were provided in part by HRO San Diego and the SGC Radio Company, they are larger than the standard card, I mention this because no mater what I say some will send me an envelope, stamps and money.

I will rag on QSL cards here a bit. The best cards are one sided with your name and address in one corner. It really slows us down looking on two sides or several areas to find your mailing info, this may not be a problem for some, but to a station receiving 500 to 800 cards it requires a lot of extra time. We depend on you to have the time correct, USE zulu time. If your contact was unique or QRP we will look back for information and note it or your comments in the log.

I will post times and frequencies at the last possible date.

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Sun, 28 May 2000 23:20:21 -0400  
From: Mark Sailer <msailer@buoy.com>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [71289] WANTED:DSW-40 ..... a day too late again  
Message-ID: <3931E1F5.D863E427@buoy.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Seems, I'm a few day too late to place my order, so.....  
Anyone have a DSW-40 unbuilt or built for sale?  
Cabinet or not.

Thanks

--

====

Mark Sailer, N2JTW                   msailer@buoy.com  
Lake Grove L.I., NY

-----  
Date: Sun, 28 May 2000 23:28:43 EDT  
From: N10DL@aol.com  
To: qrp-l@lehigh.edu  
Subject: [71290] WM1 & WM2, thanks for the info.  
Message-ID: <36.67e2b2a.26633deb@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Again, this list really comes through. My question has been answered VERY

quickly.

seems the only difference is the power supply, either by battery or plug in. one thing I did get out of the answers is to add a LED so you don't leave the meter on by mistake. Will be adding this to the meters soon. Thanks again for the fast response to all who wrote me.

ron

N10DL

Bedford, NH

-----  
Date: Sun, 28 May 2000 23:38:41 -0400

From: KD1YV <kd1yv@mindspring.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [71291] Silly thought? Re: Hard to find through hole chips

Message-ID: <3931E641.958A9D32@mindspring.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Here's a silly thought, but maybe it will pan out for some.

Are the pinouts the same on the SMD as their larger cousins? If so, maybe we could fabricate some little chip carriers made of PC board material. They would be the size of the thru-hole device and have pin-legs, but the top would be etched to accept a smaller SMD to be soldered onto it.

This is obviously not a long-term solution, but maybe something temporary to use up the old boards of thru-hole kits, or to continue a kit until a new design could be completed.

--

72/73 de Jim, KD1YV

Would cars be less expensive if it weren't for all of those annoying TV ads?

Charles Olson wrote:

> In reference to the scarcity of the SA612 mixer and AD9835 DDS chip, one web  
> site that I've found valuable for locating chips is:

>

> <http://www.findchips.com/>

>

> Unlike some of the other sites, you don't have to register or download  
> software - just type in the part you're interested in and it searches a  
> bunch of distributors and surplus sites quickly.

>

> Of course, you still have to know yourself that the SA602 is a possible  
> substitute for the SA612 or that the AD9832 might be overclocked in place of

> an AD9835 - the site doesn't suggest alternatives. Also, you have to filter  
> out incorrect part types with the same part number - other than that, I  
> really think it's a useful site.  
>  
> Best Regards,  
>  
> Chuck  
>  
> Best Regards,  
>  
> Chuck Olson, WB9KZY  
> Jackson Harbor Press - Ham Radio Kits and more!  
> Washington Island, WI  
> jacksonharbor@att.net  
> <<http://jacksonharbor.home.att.net/>>

-----  
Date: Sun, 28 May 2000 22:51:23 -0500  
From: Wayne <[walexan@ipa.net](mailto:walexan@ipa.net)>  
To: [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)  
Subject: [71292] BLT Tuner Kit?  
Message-ID: <4.3.1.2.20000528224702.00a7acf0@popd.ipa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"; format=flowed  
Content-Transfer-Encoding: quoted-printable

I have just started to build this kit and have found that I must not have=20  
all the paper work.  
It is telling me that the Toroid should look like fig 3 and so on. I don't=  
=20  
have fig 3 or any others.  
Is there any piece of paper that I am missing? I only got two pieces of=20  
paper with this kit.  
Just thought I would ask before I got things messed up.  
Thanks,  
73,  
Wayne  
N=D8EA

-----  
Date: Sun, 28 May 2000 22:49:27 -0700

From: Norm Melick <henmel@worldnet.att.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [71293] SMK-1  
Message-ID: <393204E7.A372239B@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

So I'm just finishing up bag #1. I installed R8, then checked my work by measuring across R8. I measure a little over 10K. I remove R8, and it measures 47K. I checked the trace between R8 and the collector of Q6, and I get "0" ohms. Good. I measure between the collector of R8 and Q2, and I get "0" ohms. Good. I measure across the pads of R8, and I get 13.6K ohms. Huh?

So how come I get 13.6K of resistance when I measure across the pads of R8? I was expecting an open, and 47K when I measure across R8 when it is installed.

Inquiring minds want know.

Norm/KQ6SD

-----  
Date: Sun, 28 May 2000 22:50:04 -0700  
From: Norm Melick <henmel@worldnet.att.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [71294] SMK-1  
Message-ID: <3932050C.B43F2F49@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

So I'm just finishing up bag #1. I installed R8, then checked my work by measuring across R8. I measure a little over 10K. I remove R8, and it measures 47K. I checked the trace between R8 and the collector of Q6, and I get "0" ohms. Good. I measure between the collector of R8 and Q2, and I get "0" ohms. Good. I measure across the pads of R8, and I get 13.6K ohms. Huh?

So how come I get 13.6K of resistance when I measure across the pads of R8? I was expecting an open, and 47K when I measure across R8 when it is installed.

Inquiring minds want to know.



Norm/KQ6SD

-----  
Date: Mon, 29 May 2000 03:00:12 -0400 (EDT)  
From: Joel Malman <malman@world.std.com>  
To: qrp-l@Lehigh.EDU  
Cc: k1qm@world.std.com  
Subject: [71295] [WEB] ARCI Home Page  
Message-ID: <200005290700.DAA09867@world.std.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Folks,

Is anyone else having a problem reading the QRP-ARCI main WEB page at  
<http://www.qrparci.org>

My Netscape, version 2.02 (OK, stop laughing) seems work OK with all  
other Web pages, but the ARCI home page will cause Netscape to crash  
about half-way into reading the page.

Ok .. I know you are going to say to get a new WEB reader ... But I  
thought I would ask anyway.

>>> HOOT OWL tonight was pretty neat! Good fun. <<<

W5WT0, in TX (ARCI #6023) -- what was your power? Milli-watts?

72 ... joel (queen mary)

--  
/joel K1QM (k1 queen mary), Concord, MA.  
QRP-L #337, QRP-ARCI #9305, MI-QRP #1641

-----  
Date: Mon, 29 May 2000 04:14:30 -0400 (AST)  
From: Pablo Luis Robles <wp4jxd@isla.net>  
To: QRP MAILING LIST <qrp-l@Lehigh.EDU>  
Subject: [71296] NEC2 on Linux  
Message-ID: <Pine.LNX.4.10.10005290412240.2812-1000000@pentagon>  
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Gang!

Has anyone compiled succesfully the NEC2 source code under Linux? Tried the fortran source and the c source and all I get is a bunch of errors regarding the secnds file.

Best Regards,

Pablo L. Robles

WP4JXD RADIO PAGE <http://www.geocities.com/wp4jxd/>

-----  
"Every man has the key to open the doors of heaven...  
that same key opens the gates of hell!" Richard P. Feynman  
-----

-----  
Date: Mon, 29 May 2000 06:00:07 EDT  
From: DaveLeDuc@aol.com  
To: qrp-1@lehigh.edu  
Subject: [71297] Re: FS: OHR-100 + TenTec-1330  
Message-ID: <ce.5f8fc66.266399a7@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

The OHR-100 and TenTec-1330 are both sold. Thanks for all the interest.  
Dave K1EPJ

-----  
Date: Mon, 29 May 2000 10:36:31 GMT  
From: k4eq@arrl.net (Dale Holloway)  
To: qrp-1@Lehigh.EDU  
Subject: [71298] W1FB Confirmation  
Message-ID: <393446ff.196834967@mail.naxs.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

Has anyone received a card or certificate from the February W1FB =  
operation yet? I sent a card and a  
few dollars right after my contacts, but have yet to receive anything. =

I'm in no rush, but wanted to  
check with others before sending again.

Dale, K4EQ

-----  
Date: Mon, 29 May 2000 08:04:09 -0400  
From: "Mike Yettsko" <myetsko@insydesw.com>  
To: <kd1yv@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [71299] Re: Silly thought? Re: Hard to find through hole chips  
Message-ID: <002601bfc966\$11275220\$6a7dfea9@dads-hp>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

There are commercial products like this. But they generally don't do  
'standard' conversions. They are meant to help an engineer build up  
a prototype.

But it's not a bad idea. Sorta like the idea of building carriers where  
you'd mount all your resistors and small caps on a DIP14 plug in.

Mike

>Here's a silly thought, but maybe it will pan out for some.  
>  
>Are the pinouts the same on the SMD as their larger cousins? If so, maybe  
we  
>could fabricate some little chip carriers made of PC board material. They  
would  
>be the size of the thru-hole device and have pin-legs, but the top would be  
>etched to accept a smaller SMD to be soldered onto it.  
>  
>This is obviously not a long-term solution, but maybe something temporary  
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design  
>could be completed.  
>  
>--  
>72/73 de Jim, KD1YV  
>Would cars be less expensive if it weren't for all of those annoying TV  
ads?  
>  
>Charles Olson wrote:

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>> In reference to the scarcity of the SA612 mixer and AD9835 DDS chip, one web  
>> site that I've found valuable for locating chips is:  
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>> <http://www.findchips.com/>  
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>> Unlike some of the other sites, you don't have to register or download  
>> software - just type in the part you're interested in and it searches a  
>> bunch of distributors and surplus sites quickly.  
>>  
>> Of course, you still have to know yourself that the SA602 is a possible  
>> substitute for the SA612 or that the AD9832 might be overclocked in place  
>> of  
>> an AD9835 - the site doesn't suggest alternatives. Also, you have to  
>> filter  
>> out incorrect part types with the same part number - other than that, I  
>> really think it's a useful site.  
>>  
>> Best Regards,  
>>  
>> Chuck  
>>  
>> Best Regards,  
>>  
>> Chuck Olson, WB9KZY  
>> Jackson Harbor Press - Ham Radio Kits and more!  
>> Washington Island, WI  
>> [jacksonharbor@att.net](mailto:jacksonharbor@att.net)  
>> <http://jacksonharbor.home.att.net/>  
>  
>  
>  
>  
>

-----  
Date: Mon, 29 May 2000 08:12:29 EDT  
From: [Shephed@aol.com](mailto:Shephed@aol.com)  
To: [qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)  
Subject: [71300] Re: BLT Tuner Kit?  
Message-ID: <26.646afcb.2663b8ad@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="ISO-8859-1"  
Content-Transfer-Encoding: quoted-printable

That's the way mine was Wayne.

Just go by the drawing on the schematic page, this layout is pretty close to=  
=20

how it looks. Stick to that, and you'll do fine.

In a message dated 5/28/00 11:51:16 PM Eastern Daylight Time, walexan@ipa.ne=  
t=20  
writes:

> I have just started to build this kit and have found that I must not have=20  
> all the paper work.  
> It is telling me that the Toroid should look like fig 3 and so on. I don'=  
t=20  
> have fig 3 or any others.  
> Is there any piece of paper that I am missing? I only got two pieces of=20  
> paper with this kit.  
> Just thought I would ask before I got things messed up.  
> Thanks,  
> 73,  
> Wayne  
> N=D8EA

72, 73, oo's

Dan, N8IE Kettering, Oh

FPqrp #-6, QRP-1 #1404, FISTS #4985, Zombie #667, SOC #284

<http://members.aol.com/shephed/n8ie.htm>

-----  
Date: Mon, 29 May 2000 06:06:46 -0700  
From: "Gary Ingram" <kb7fci@cdsnet.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,  
<malman@world.std.com>  
Subject: [71301] Re: [WEB] ARCI Home Page  
Message-ID: <005901bfc96e\$befe8500\$31851ad0@gary>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Joel, it loads FB here.

Gary

Gary Ingram

Merlin, Oregon

<http://home.cdsnet.net/~kb7fci/>

-----Original Message-----

From: Joel Malman <malman@world.std.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Monday, May 29, 2000 12:02 AM  
Subject: [WEB] ARCI Home Page

>Folks,

>

>Is anyone else having a problem reading the QRP-ARCI main WEB page at  
><http://www.qrparci.org>

>

>My Netscape, version 2.02 (OK, stop laughing) seems work OK with all  
>other Web pages, but the ARCI home page will cause Netscape to crash  
>about half-way into reading the page.

>

>Ok .. I know you are going to say to get a new WEB reader ... But I  
>thought I would ask anyway.

>

>

> >>> HOOT OWL tonight was pretty neat! Good fun. <<<

>

>

>W5WTO, in TX (ARCI #6023) -- what was your power? Milli-watts?

>

>

>72 ... joel (queen mary)

>

>--

>/joel K1QM (k1 queen mary), Concord, MA.

>QRP-L #337, QRP-ARCI #9305, MI-QRP #1641

>

-----

Date: Mon, 29 May 2000 06:06:58 -0700  
From: Dave Barrett <DBarrett@creo.com>  
To: "'na5n@rt66.com'" <na5n@rt66.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [71302] RE: through hole parts shortage?  
Message-ID: <BFEEFC3386986D2119C0800A0C99B5DE601772D4C@msgcreo3.creo.bc.ca>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Morni'n Paul and All,

Even local Radio Shack's have decided to get out of

carrying I/C's here in Western Canada..... :(

Dave Barrett VA7DB (Ex VE7PCC)

Vancouver BC Canada

-----  
Date: Mon, 29 May 2000 06:38:10 PDT  
From: "Luke Enriquez" <vk3em@hotmail.com>  
To: qrp-1@Lehigh.EDU  
Subject: [71303] Composition of Toroids in Norcal Toroid Kit  
Message-ID: <20000529133810.98146.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Hi All,

I just found my Norcal toroid kit which I lost for some time. Could someone detail what toroids are what?

Regards,  
Luke

-----  
Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

-----  
Date: Mon, 29 May 2000 09:52:22 -0400  
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>  
To: qrp-1@lehigh.edu  
Subject: [71304] Re: SMK-1  
Message-ID: <3.0.6.32.20000529095222.0079a1c0@vmsspop.rit.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 10:49 PM 5/28/00 -0700, you wrote:

>So I'm just finishing up bag #1. I installed R8, then  
>checked my work by measuring across R8. I measure a little  
>over 10K. I remove R8, and it measures 47K. I checked the  
>trace between R8 and the collector of Q6, and I get "0"  
>ohms. Good. I measure between the collector of R8 and Q2,  
>and I get "0" ohms. Good. I measure across the pads of R8,  
>and I get 13.6K ohms. Huh?  
>

>So how come I get 13.6K of resistance when I measure across

>the pads of R8? I was expecting an open, and 47K when I  
>measure across R8 when it is installed.  
>  
>Inquiring minds want know.

Norm,

Depending on the ohmmeter and probe placement, you might cause Q2 to conduct slightly, appearing like a diode in parallel with R8.

If your positive meter lead is on the "lower" end of R8 (on the base of Q2), the negative lead is on the collector of Q6, AND your ohmmeter puts out more than 0.7 volts, the base-collector junction of Q2 is forward biased. Try reversing your meter leads and see if the reading changes.

Also, there is a pair of resistors (R12 and R13) that connect from the collector of Q6 to ground, and another resistor (R9) that connects ground to the other end of R8. This will make about 14k effectively in parallel with R8, which would make it look like it was about 10.7k.

Dave

-----  
Date: Mon, 29 May 2000 10:04:33 EDT  
From: K4YBB@aol.com  
To: qrp-l@lehigh.edu  
Subject: [71305] RE: Wire/Rope Ant ... need help  
Message-ID: <cb.62adc34.2663d2f1@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Joel; maybe you could make a drawing of your idea, I am poor at word pictures and a real picture would sure help. Then maybe I can try and compute sumptin oh how it would work.

73 Jim.

-----  
Date: Mon, 29 May 2000 09:45:11 -0400  
From: Laura A Fisher <wlfisher@bellatlantic.net>  
To: ". Eastern PA QRP Club" <epaqrp-l@Lehigh.EDU>, Bob Marsh <kb2sgm@home.com>, George Heron <n2apb@erols.com>, Hand-Ham courage center <handiham@courage.org>, "njqrp@njqrp.org" <njqrp@njqrp.org>, "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>



Subject: [71306] upgrade  
Message-ID: <39327466.AB7E1D71@bellatlantic.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

It was my dad who upgraded not me the computer is registered in  
my name that is why  
all messages are sent with myk name on them.  
My dad {k2gvc} first get his license in 1956 as kn2gvc than past  
the general theory and become k2gvc{ has had trouble with the  
code [[13wpm]] every since} the new  
regulations came alone and he walked in a belong a general by  
paying the money and  
filling out the forms. 72's 73's de k2gvc

-----  
Date: Mon, 29 May 2000 10:57:17 -0400  
From: S LYON <sslyon@worldnet.att.net>  
To: kd1yv@mindspring.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [71307] SMD to Through hole: adaptors for  
Message-ID: <3932854D.97CF0E54@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Not a bad idea at all, Jim. I can clearly remember doing something  
similar back in the 50's/60's when replacing the old fat-pin  
tubes/rectifiers with peanut tubes or diodes. Not usually pretty, but  
definitely worked. Should be much better now using your idea of pc mat'l  
etched appropriately with plated thru-holes for the connecting wires.

KD1YV wrote:

>  
> Here's a silly thought, but maybe it will pan out for some.  
>  
> Are the pinouts the same on the SMD as their larger cousins? If so, maybe we  
> could fabricate some little chip carriers made of PC board material. They would  
> be the size of the thru-hole device and have pin-legs, but the top would be  
> etched to accept a smaller SMD to be soldered onto it.  
>  
> This is obviously not a long-term solution, but maybe something temporary to use  
> up the old boards of thru-hole kits, or to continue a kit until a new design  
> could be completed.

>  
>  
--

'Seab' Lyon - AA1MY  
Beacon NY USA FN-31  
QRP-L 574 ARCI 9253

-----  
Date: Mon, 29 May 2000 11:09:24 -0400  
From: "Richard E. Robinson" <rerobins@email.uncc.edu>  
To: klqrp@waterw.com  
Cc: qrp-l@lehigh.edu  
Subject: [71308] SMiTe Fox Hounded by nature  
Message-ID: <v03102801b55836b81dc1@[152.15.144.71]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Mother Nature has asked me to apologize to all SMiTe Fox Hounds, and Nascar fans, for the bad thunderstorm that came through Charlotte around 9PM Sunday night. By the time the storm passed, 10PM, my antenna was lying on the ground thanks to a large limb.

I'll try again on July 9th.

72,

Rick kf4ar

-----  
Date: Mon, 29 May 2000 11:41:51 -0400  
From: "William K. Harding" <k4ahk@ix.netcom.com>  
To: kb7fci@cdsnet.net, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [71309] Re: [WEB] ARCI Home Page  
Message-ID: <200005291541.LAA29413@maynard.mail.mindspring.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

It doesn't work here either. The problem for me is that my browser doesn't support JAVA scripts and the ARCI page requires that.

Bill - K4AHK

-----

>From: "Gary Ingram" <kb7fci@cdsnet.net>  
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
>Subject: Re: [WEB] ARCI Home Page  
>Date: Mon, May 29, 2000, 9:06 AM  
>

> Joel, it loads FB here.

>

> Gary

>

>Gary Ingram

>Merlin, Oregon

><http://home.cdsnet.net/~kb7fci/>

>-----Original Message-----

>From: Joel Malman <malman@world.std.com>

>To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

>Date: Monday, May 29, 2000 12:02 AM

>Subject: [WEB] ARCI Home Page

>

>

>>Folks,

>>

>>Is anyone else having a problem reading the QRP-ARCI main WEB page at

>><http://www.qrparci.org>

>>

>>My Netscape, version 2.02 (OK, stop laughing) seems work OK with all

>>other Web pages, but the ARCI home page will cause Netscape to crash

>>about half-way into reading the page.

>>

>>Ok .. I know you are going to say to get a new WEB reader ... But I

>>thought I would ask anyway.

>>

>>

>> >>> HOOT OWL tonight was pretty neat! Good fun. <<<

>>

>>

>>W5WT0, in TX (ARCI #6023) -- what was your power? Milli-watts?

>>

>>

>>72 ... joel (queen mary)

>>

>>--

>>/joel K1QM (k1 queen mary), Concord, MA.

>>QRP-L #337, QRP-ARCI #9305, MI-QRP #1641

>>

>

-----  
Date: Mon, 29 May 2000 08:44:47 -0700 (PDT)  
From: wa4dou@excite.com  
To: qrp-1@lehigh.edu  
Subject: [71310] Items for sale!  
Message-ID: <32014725.959615087452.JavaMail.imal@chilly.excite.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

1) Radio Shack DSP-40 Digital Signal Processor, very good condition. I found this unit, on cw, to be more effective than my previous Auteck QF-1A. \$35.00

2) SWL GM-17 17 meter cw rig. Board is fully assembled but remains uninstalled in a package with the external controls. \$75.

3) Bencher BY-1 Dual Iambic Paddle, excellent condition, \$50.

4) SWL 160 rig (NN1G) Packaged in one of the Radio Shack white, low profile modem cases, with a 10 turn counter. \$75.

All items shipped prepaid within CONUS.

Am building a K-2 and streamlining the "shack." Thanks es 73 de Roy Lincoln WA4DOU

-----  
Get 100% FREE Internet Access powered by Excite  
Visit <http://freelane.excite.com/freeisp>

-----  
Date: Mon, 29 May 2000 11:42:14 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: <kd1yv@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [71311] Re: Silly thought? Re: Hard to find through hole chips  
Message-ID: <006901bfc984\$7b22af80\$010044c0@Conor.baycty1.mi.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

-----Original Message-----

From: KD1YV <kd1yv@mindspring.com>

Subject: Sily thought? Re: Hard to find through hole chips

>Are the pinouts the same on the SMD as their larger cousins? If so, maybe we  
>could fabricate some little chip carriers made of PC board material. They would  
>be the size of the thru-hole device and have pin-legs, but the top would be  
>etched to accept a smaller SMD to be soldered onto it.

Seems like I've seen such critters somewhere. Closest I could find in a quick peek thru the DigiKey catalog tho was Surfboards - little PC boards with an SM device in the middle and QRO pads or pins on the outside. They also have some where you can mount several of the 0805 or 1206's on a little PC board and plug it into a normal 0.1" spacing socket.

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>

didileydadidah QRP-L #1446 Code Warriors #35

-----  
Date: Mon, 29 May 2000 07:49:04 -0800

From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>

To: vk3em@hotmail.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [71312] Re: Composition of Toroids in Norcal Toroid Kit

Message-ID: <39329170.53A7AC96@pobox.alaska.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

----- Original Message -----

Subject: Toroids in NorCal Toroid Kit

Date: Thu, 27 Jan 2000 21:19:23 -0800

From: "Doug Hendricks" <ki6ds@dospalos.org>

Reply-To: ki6ds@dospalos.org

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Ok, here it is straight from the horse's mouth, as I am the guy who packed the kits.

The contents of the NorCal Toroid kit were:

25 T37-2 (small red ones)  
25 T37-6 (small yellow ones)  
25 FT37-43 (came with a label in the bag)  
25 FT37-61 (came with a label in the bag)  
10 T50-7 (white)  
25 Ferrite Beads  
1 T-130-2 (the big red one)

There you have it guys. Build and have fun. Is there any interest in another NorCal Cap kit? But this one would only be NPO's from 1 to 1000 pF,

28 different values, and there would be 25 of each value instead of 10. If

you are interested send me email. The cost would be \$30 for 700 capacitors.

The 1, 2.2 and 4.7 pF would be disc ceramics, and the rest would be mono caps, again, all NPO's. Let me know if you are interested and don't send

any checks until I give the word.

72, Doug

=====

--

Jim Larsen, AL7FS, Anchorage, Alaska

QRP-L CD Ver. 3 available: <http://www.qsl.net/al7fs/QRP-CDver3.htm>

QRP ARCI #6754 Check out <http://www.qrparci.org/>

<http://www.qsl.net/al7fs/> <mailto:al7fs@pobox.alaska.net>

-----  
Date: Mon, 29 May 2000 11:54:48 EDT

From: Ab5xq@aol.com

To: qrp-l@lehigh.edu

Cc: MADSENANDREW@netscape.net

Subject: [71313] RE: Portable Antenna

Message-ID: <1e.5d95aaa.2663ecc8@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Andrew,

Here is a idea that I just used and it worked out well on a trip to visit my

daughter. I went to the local Walmart and purchased a Dunlap Golf Ball retriever. This is made of light aluminum and is about 3 feet in the collapsed position but extends to 15 feet. The one I just brought was \$9.95. They are found in the sports section where they sell golf clubs and bags.

I drilled out the plastic golf ball retriever part on the end and now I have a light, sturdy collapsible 15 foot ant or mast. I went the the Radio shack store and purchased their replacement rod antenna part nr 270-1408. This antenna is 72 inches long, you can install this in the end of the collapsible mast where you drilled out the plastic golf retriever with a 4-40 bolt. This gives you an vertical antenna that is adjustable anywhere from 3 feet up to 21 feet. So you can use this as a full size quarter wave radiator with the appropriate length of radials for 10 thru 20 meters. You can also use it as a good portable mast to hang a dipole on. I also crimped on a ring connector at the very tip of the replacement antenna. One made for #10 wire works best. Then I tie a lightweight dipole which I feed with RG174 to this connector. The weight of the dipole is a bit much if you extend the replacement ant to it's full length, yet you can carry a 6 to 7 ft peice of PVC pipe to insert the entire mast section into (bolt it thru the handle of the golf ball retriever to give you another 6 feet for about a 21/22 ft mast.

This configuration worked well at my daughters house for she has a deck out the second story door, so I simply lashed it to the deck which was already 10 feet above ground and ended up with the center of my antenna in an inverted vee position at 26 feet. Worked great for 20 meters. I have also used this mast with a peice of PVC inserted in an old camera tripod and again worked great for temporary antenna.

Let me know if you use this idea and any improvements you might discover. Have fun!

73, Bill, AB5XQ

-----  
Date: Mon, 29 May 2000 12:01:31 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [71314] Manhattan Style SMT?  
Message-ID: <000101bfc987\$296de8a0\$010044c0@Conor.baycty1.mi.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

It would seem like SMT and Manhattan construction were made for each other. Has anyone done this?

Just to get a feel for this possibility, I laid out the RF strip of the

2N2/40 with 1206 parts and pads of the shape left by a Radio Shack nibbler (which are pretty small). Looks possible (see <http://www.qsl.net/wb8rcr/RF.PDF>).

Don't go building this ... I haven't actually built it so there are bound to be errors!

72/73 de WB8RCR      <http://members.home.com/wb8rcr/index.htm>  
didileydadidah      QRP-L #1446 Code Warriors #35

-----  
Date: Mon, 29 May 2000 09:12:33 -0700  
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>  
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>  
Subject: [71315] Parts Shortage  
Message-ID: <60F1FEB31CA3D211A1B60008C7A45F430997FEED@blaze.bcsc.GOV.BC.CA>  
Content-return: allowed  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: 7BIT

Never mind the thru-hole parts, has anyone tried to purchase an analog panel meter or an air variable capacitor lately? With the exception of the specialty dealers, you can't find these parts in the main stream catalogs anymore. Check out the Digi-Key catalog....all digital panel meters and no air variables at all. <sigh>

Doug VA7DD

-----  
Date: Mon, 29 May 2000 11:15:08 -0500  
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>  
To: <Doug.Davies@gems3.gov.bc.ca>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>  
Subject: [71316] RE: Parts Shortage  
Message-ID: <000001bfc989\$0ec383a0\$ef5d6f81@v8.uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit



Mouser has a pretty good selection.....

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU

> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of

> Davies, Doug A FOR:EX

> Sent: Monday, May 29, 2000 11:13 AM

> To: Low Power Amateur Radio Discussion

> Subject: Parts Shortage

>

>

> Never mind the thru-hole parts, has anyone tried to purchase

> an analog panel

> meter or an air variable capacitor lately? With the exception of the

> specialty dealers, you can't find these parts in the main

> stream catalogs

> anymore. Check out the Digi-Key catalog....all digital panel

> meters and no

> air variables at all. <sigh>

>

> Doug VA7DD

>

>

>

>

>

>

-----

Date: Mon, 29 May 2000 12:28:44 EDT

From: Dean W Manley <kh6b@juno.com>

To: qrp-1@lehigh.edu

Cc: kh6b@juno.com

Subject: [71317] SMiTe #53 lives

Message-ID: <20000529.063159.5391.0.kh6b@juno.com>

Group,

Well, KH6B is officially into SMT stuff. The Knightlites SMiTe 80-meter kit was in the project stack since Feb. 1998. Before getting into the NorCal SMK-1, I decided that the SMiTe comes first. It worked, but had to invest in a new soldering iron with an extra sharp needle-nose point.

Not too happy with the TxRx offset, I went to the Knightlite web page and found the jfet oscillator mod. Much better now.

Now on to my other NINE kits in my stack. This doesn't include the NorCal BLT Tuner Kit and Elecraft K1, on order.

Aloha,  
Dean KH6B  
Hilo Hawaii

-----  
Date: Mon, 29 May 2000 12:32:58 -0400  
From: "William K. Harding" <k4ahk@ix.netcom.com>  
To: kb7fci@cdsnet.net, Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [71318] Re: [WEB] ARCI Home Page  
Message-ID: <200005291632.MAA22685@maynard.mail.mindspring.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

If I go in directly to another page in the site other than the home page, it works OK. The problem seems to be the Java hit counter that is the first thing at the top of the home page.

Bill

-----  
>From: "Gary Ingram" <kb7fci@cdsnet.net>  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Re: [WEB] ARCI Home Page  
>Date: Mon, May 29, 2000, 9:06 AM  
>

> Joel, it loads FB here.

>

> Gary

>

>Gary Ingram

>Merlin, Oregon

><http://home.cdsnet.net/~kb7fci/>

>-----Original Message-----

>From: Joel Malman <malman@world.std.com>

>To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

>Date: Monday, May 29, 2000 12:02 AM

>Subject: [WEB] ARCI Home Page

>

>

>>Folks,

>>

>>Is anyone else having a problem reading the QRP-ARCI main WEB page at

>>http://www.qrparci.org  
>>  
>>My Netscape, version 2.02 (OK, stop laughing) seems work OK with all  
>>other Web pages, but the ARCI home page will cause Netscape to crash  
>>about half-way into reading the page.  
>>  
>>Ok .. I know you are going to say to get a new WEB reader ... But I  
>>thought I would ask anyway.  
>>  
>>  
>> >>> HOOT OWL tonight was pretty neat! Good fun. <<<  
>>  
>>  
>>W5WT0, in TX (ARCI #6023) -- what was your power? Milli-watts?  
>>  
>>  
>>72 ... joel (queen mary)  
>>  
>>--  
>>/joel K1QM (k1 queen mary), Concord, MA.  
>>QRP-L #337, QRP-ARCI #9305, MI-QRP #1641  
>>  
>

-----  
Date: Mon, 29 May 2000 10:41:00 +0000  
From: Roy <marion@montana.com>  
To: DBarrett@creo.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [71319] RE: through hole parts shortage?  
Message-ID: <200005291643.KAA07686@mail.montana.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 06:06 AM 5/29/00 -0700, Dave Barrett wrote:  
>Morni'n Paul and All,  
> Even local Radio Shack's have decided to get out of  
>carrying I/C's here in Western Canada..... :(  
>  
>Dave Barrett VA7DB (Ex VE7PCC)  
> Vancouver BC Canada  
Thats not a parts shortage, its a handling and salesman commission issue.  
Roy AB7CE

-----  
Date: Mon, 29 May 2000 12:02:38 -0400 (EDT)

From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>  
To: Laurel ARC <larc-1@webtrek.com>, eax@w3eax.umd.edu, qrp-1 <qrp-1@lehigh.edu>  
Subject: [71320] Anyone goin' to Manassas? N7JI is!  
Message-ID: <Pine.LNX.4.10.10005291200240.21261-100000@w3eax.umd.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

My cousin is getting married next weekend in Baltimore and I am planning to attend the fortuitously scheduled Manassas hamfest. Here's to sunny skies, unbearable humidity, and some bargains!

73 de N7JI in Eugene, where summer just takes a little longer to arrive

Scott Rosenfeld ARS N7JI  
541-684-9970 Eugene, OR Land o' much rain  
If you find me on the air, I'm probably in my car  
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

-----  
Date: Mon, 29 May 2000 12:03:12 -0400  
From: Jeff Davis <jeff@n9avg.org>  
To: "William K. Harding" <k4ahk@ix.netcom.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [71321] Re: [WEB] ARCI Home Page  
Message-ID: <20000529120312.A28137@n9avg.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Quoting William K. Harding (k4ahk@ix.netcom.com) [000529 12:32]:  
> If I go in directly to another page in the site other than the home page, it  
> works OK. The problem seems to be the Java hit counter that is the first  
> thing at the top of the home page.

Hmmm.... I've turned Java off in my 4.72 browser and can view the page with no problems using Win95 and Linux.

--  
72 de Jeff, N9AVG

-----  
Date: Sun, 28 May 2000 07:53:07 -0600  
From: wb5qyt@eFortress.com  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [71322] Mizuho MX-7 info  
Message-ID: <393124C3.1124@eFortress.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang,

Anyone on the list with the above rig that can tell me the crystal freq.  
so I can get my rig to tune in the 7.040 vicinity?

Thanks, Tom WB5QYT...."Have spud will travel!"

-----  
Date: Mon, 29 May 2000 13:51:01 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, <jeff@n9avg.org>  
Subject: [71323] Re: [WEB] ARCI Home Page  
Message-ID: <002701bfc997\$3ae082e0\$010044c0@Conor.baycty1.mi.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I think the problem is quite a bit of JavaScript on the ARCI home page.  
JavaScript has absolutely no relationship whatsoever to Java, except that at  
the time it was invented, Java was hot so they swiped the name. JavaScript  
is a lot more common than Java out there, but Netscape likes to change it  
every release of their browser in an attempt to stay incompatible with  
Internet Explorer, and sometimes they get it wrong with respect to old  
versions of their own browser.

Although almost all browsers understand JavaScript, it is very difficult to  
write JavaScript that works across most browsers, there are so many  
differences between the versions.

72/73 de WB8RCR      <http://members.home.com/wb8rcr/index.htm>  
didileydadidah      QRP-L #1446 Code Warriors #35

-----Original Message-----

From: Jeff Davis <jeff@n9avg.org>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Monday, May 29, 2000 1:05 PM  
Subject: Re: [WEB] ARCI Home Page

>Quoting William K. Harding (k4ahk@ix.netcom.com) [000529 12:32]:

>> If I go in directly to another page in the site other than the home page,  
it  
>> works OK. The problem seems to be the Java hit counter that is the first  
>> thing at the top of the home page.  
>  
>Hmmm.... I've turned Java off in my 4.72 browser and can view the page  
>with no problems using Win95 and Linux.  
>  
>--  
>72 de Jeff, N9AVG  
>

-----  
Date: Mon, 29 May 2000 13:56:51 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [71324] QRZ.com  
Message-ID: <002801bfc997\$4551d9e0\$010044c0@Conor.baycty1.mi.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have to give a big attboy to qrz.com and Fred Lloyd.

About a week ago their ad provider, Flycast, changed the way the banner ads work. The result was that every time you loaded a page at QRZ, Flycast would make dozens of connections to your computer. I don't know what they were trying to find out, but this is pretty common with Flycast and Doubleclick, and I don't like it one bit. In fact, my firewall specifically refuses any attempt by these folks to connect.

Well, the result of all these failed connections was very slow response from QRZ. I suspect had I let them get what they were looking for, the response may not have been so bad, but it was taking minutes for each page to load, which drove me almost exclusively to Buckminster, which tends to be a little slow, but doesn't go nosing around in my computer.

I wrote to qrz and whined, and within a day I got a response back from Fred Lloyd indicating the problem had been fixed. Sure 'nuff, fast response and no more unwanted hacking.

Sure is great when they listen!

72/73 de WB8RCR      <http://members.home.com/wb8rcr/index.htm>  
didileydadidah      QRP-L #1446 Code Warriors #35

-----  
Date: Mon, 29 May 2000 13:57:22 EDT  
From: AD6EZ@aol.com  
To: qrp-1@lehigh.edu  
Subject: [71325] OT: New FT-100 with CW problem  
Message-ID: <1e.5dada26.26640982@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi All -

I hope everyone reading this is having a great weekend and taking the time to think about all those that gave so much so that we can enjoy everything we have - especially our Freedom!

Here is my question: I recently installed a new FT-100 in my F-150. I had the AM-6kHz and the CW-500 Hz filters installed by AES. I tried the rig in CW mode on 2 Meters and 440 for the first time and while on the 2.4 filter it worked just fine. But when I switch in the 500 CW filter I hear a "click" or squelch "tail" when I release the key. It does it only with the 500 Hz filter and it doesn't matter whether the keyer is on or off. It almost sounds like a repeater "tail" when I let up on the key. In other words, I hear that sound at the same time that the Red Transmit LED goes off. DSP helps but there must be something either set up incorrectly or there is a problem with the filter. I have the rig setup with FULL break-in. When I set it up on Semi-break-in I still get the "click" when the rig goes back to Receive mode.

Does anyone here have any ideas what is going on? Any help will be much appreciated!

Thanks -

73 es God Bless de Denny AD6EZ <><  
Goleta, CA

-----  
Date: Mon, 29 May 2000 12:58:39 -0500  
From: "Maddog 'n' Miracles" <maddog@io.com>  
To: qrp-1@Lehigh.edu  
Subject: [71326] QRP and CW Tips

Message-ID: <4.3.1.1.20000529125806.00bf1ea0@mail.io.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hey y'all!

One of the most discouraging things about QRP operation is not getting contacts. In my experience, on an average day, under average band conditions, it's much easier to get a solid QRP contact on CW than on SSB. Challenge is part of the QRP experience (and also part of its reward), but it's really discouraging to spend hours and days with NO results. I think we lose a lot of potential QRP "converts" early on, who discover this the hard way, but who feel CW is just too hard to learn.

Most evenings, you can manage a good QRP CW QSO or two on 40 (circa 7040 and 7060, and sometimes 7110) and 30 Meters (circa 10115 - 10120). For daytime operating, 15 meters seems to be most QRP friendly (circa 21060 and 21110. Days and evenings, 20 Meters is often active (circa 14060), but the operating practices are sometimes a little more competitive, and may make it daunting for CW beginners.

I know that several of the local QRP club members have talked about improving their CW to the point that they feel comfortable using it on-the-air. Great idea! Everybody has their own opinion about what the goals should be and how to accomplish those goals, and for 10 hams there are likely 10 opinions.

I recently ran across an online publication that presents one of the best common sense approaches to learning CW that I've run across. I think those of you struggling will find this encouraging:

<http://www.joates.demon.co.uk/megs/NOHFF/contents.htm>

Do others have suggestions about how to make the transition from QRO SSB to QRP CW less painful?

72/73,  
monty N5FC

```
*****                                     \/  
* Monty Northrup (N5FC) * "There is no way to peace: * \      (**)   
* Carolyn Blankenship *   peace IS the way."      * /^^^^^^) ~   
* maddog@io.com       * http://www.io.com/~maddog/ * /^^/^^/^^/ \   
*****
```

-----



Date: Mon, 29 May 2000 14:06:34 EDT  
From: W1XV@cs.com  
To: qrp-1@lehigh.edu  
Subject: [71327] Re: source for RG-174  
Message-ID: <39.5ade22f.26640baa@cs.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I know that I saw a source for RG-174 not too long ago  
on this relector. Can someone please refresh my memory?  
Tnx in advance.  
72/73 Brad W1XV

-----  
Date: Mon, 29 May 2000 14:10:56 -0400  
From: "William K. Harding" <k4ahk@ix.netcom.com>  
To: Jeff Davis <jeff@n9avg.org>  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [71328] Re: [WEB] ARCI Home Page  
Message-ID: <200005291810.0AA19452@smtp10.atl.mindspring.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Well, OK, maybe it is something else then. I was getting an error message  
that said I couldn't get the page because Java was not enabled. The screen  
stopped loading with only a locator for the hit counter. When I double  
clicked the hit counter locator, I got another error message about Java.  
I'm not a programmer so that is all I can offer.

Bill

-----  
>From: Jeff Davis <jeff@n9avg.org>  
>To: "William K. Harding" <k4ahk@ix.netcom.com>  
>Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
>Subject: Re: [WEB] ARCI Home Page  
>Date: Mon, May 29, 2000, 12:03 PM  
>

>Quoting William K. Harding (k4ahk@ix.netcom.com) [000529 12:32]:  
>> If I go in directly to another page in the site other than the home page, it  
>> works OK. The problem seems to be the Java hit counter that is the first  
>> thing at the top of the home page.  
>  
>Hmmm.... I've turned Java off in my 4.72 browser and can view the page

>with no problems using Win95 and Linux.

>

>--

>72 de Jeff, N9AVG

>

-----  
Date: Mon, 29 May 2000 11:13:29 -0700  
From: "K7FD-N7SG" <cqdx@teleport.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, <fists@qth.net>  
Subject: [71329] Will be sitting on the fence today...  
Message-ID: <003301bfc999\$98881e60\$4e231ad8@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Happy Memorial Day to all...

Enjoying the best of both worlds, I plan to hang out on 14.059MHz today,  
right inbetween FISTS and the QRP frequencies. Hope to catch you there...

73/72, John K7FD Fists 2420, QRParci 8193, K2/586  
<http://www.teleport.com/~cqdx>

PS. The ham cam will be active...details at the above site.

PSS. Has anyone else noticed the large increase in USA SSB stations  
conducting qso's exactly on 14.150MHz?? Have the bands been expanded?

-----  
Date: Mon, 29 May 2000 14:53:10 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: <k4ahk@ix.netcom.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [71330] Re: [WEB] ARCI Home Page  
Message-ID: <005d01bfc9a0\$060c8f60\$010044c0@Conor.baycty1.mi.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

OK, I double checked the ARCI home page and nowhere is there any Java.  
\*HOWEVER\*, the JavaScript does seem to check to see whether Java is enabled  
(weird). I believe the W5WWW banner at the bottom of the page does  
eventually launch a Java applet, but unless you click on it it's just a

picture. The hit counter, which is a cgi script, could launch a Java applet but that would be pretty unusual.

Sounds to me like the page author ripped off a snippet of JavaScript from somewhere and didn't clean it out well enough.

72/73 de WB8RCR      <http://members.home.com/wb8rcr/index.htm>  
didileydadidah      QRP-L #1446 Code Warriors #35

-----Original Message-----

From: William K. Harding <k4ahk@ix.netcom.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Monday, May 29, 2000 2:11 PM  
Subject: Re: [WEB] ARCI Home Page

>Well, OK, maybe it is something else then. I was getting an error message  
>that said I couldn't get the page because Java was not enabled. The screen  
>stopped loading with only a locator for the hit counter. When I double  
>clicked the hit counter locator, I got another error message about Java.  
>I'm not a programmer so that is all I can offer.

-----  
Date: Mon, 29 May 2000 14:14:02 -0500  
From: Vance Huntsinger <vhuntsinger@iwic.net>  
To: qrp-l@Lehigh.EDU  
Subject: [71331] Re: source for RG-174  
Message-ID: <4.2.0.58.20000529141138.00a021e0@mail.iwic.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Davis RF: <http://www.davisrf.com/>

Vance, WA9YDJ

At 02:06 PM 5/29/2000 -0400, W1XV@cs.com wrote:  
>I know that I saw a source for RG-174 not too long ago  
>on this relector. Can someone please refresh my memory?  
>Tnx in advance.  
>72/73 Brad W1XV

-----  
Date: Mon, 29 May 2000 12:20:40 -0700 (PDT)

From: Ronnie Davis <ke4vpn@yahoo.com>  
To: QRL List <qrp-1@Lehigh.EDU>  
Subject: [71332] Slow code practice need help again  
Message-ID: <20000529192040.11428.qmail@web613.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hello

I just got the K2 #1221 finished and I have made a few contacts by SSB but Im really interested in making cw contacts. I would very much like to sked a contact with anyone wanting to learn code or help a beginner like myself. I have great desire to learn and would enjoy ragchewing with a few friends on cw. I dont have any idea where to look for cw contacts, im a new general lite Hi Hi, if anyone would like to sked a contact or has plenty of patience email direct and let me know a time and freq to try. Thanks all ke4vpn

K2 is one fine rig BTW

-----  
Do You Yahoo!?  
Kick off your party with Yahoo! Invites.  
<http://invites.yahoo.com/>

-----  
Date: Mon, 29 May 2000 20:30:11 +0100  
From: "Andy GM0NWI" <Gm0nwi@tesco.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [71333] K2 & FT100 VFO DIAL KNOB...??  
Message-ID: <000501bfc9a4\$699a4280\$ee418cd4@q1n3l2>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guy`s

Sooooooooonnnn to join in on the fun, when I order my beloved "K2" in the next week or so...

Have seen all the goin` on, on the list lately as regards the "marrying" of the "K2" and the FT100  
VFO Dial Knob...

BUT unfortunatley, can`t seem to find reference to it in my "e-mail archive"

at the moment...

To save time, can someone PLEASE tell me EXACTLY what to do in the way of ordering any such "knob" from YAESU..... obviously I am here in GM-land, and you are all "over the pond".. perhaps it's easier for yourselves to order such material....who know's.....

Just need to know the relevent details, like what department to call at YAESU, what the reference no. of the "Dial" is, if there are any other "fittings" that I need to order along with the "knob" AND OF COURSE HOW MUCH WILL ALL THIS COST me...!!

Hope that this doe`snt upset anyone here on the list for my askin`.... Thanks in advance for the bandwith....

72s de Andy gm0nwi@tesco.net  
A.R.S. GM0NWI  
"Long Live QRP..!" "The Weakest Station In The Nation.."

GQRP No.9576 "It is vain to do with more..."  
QRP-L No.2165 what can be done with less..  
ICQ No.31899603

-----  
Date: Mon, 29 May 2000 15:28:44 EDT  
From: n5ib@juno.com  
To: qrp-l@Lehigh.edu, k5azu@yahoo.com  
Subject: [71334] R2 Info  
Message-ID: <20000529.142401.4663.1.N5IB@juno.com>

Thanks to all who forwarded info on the R2. I followed your leads to the Kanga site and discovered it's in temporary limbo pending design updates.

So, if anyone has an R2, either an unbuilt kit or assembled, that you wish to part with, you might get in touch with Ray, K5AZU, at <k5azu@yahoo.com>

He's the one looking for one.

73 and thanks again,  
Jim N5IB

-----

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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 29 May 2000 20:46:50 +0100  
From: "John Fletcher" <johnf@innotts.co.uk>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, <homebrew@qth.net>, <GQRP@egroups.com>  
Subject: [71335] Kanga Web page rebuild  
Message-ID: <200005291946.e4TJkuW19190@carlton.innotts.co.uk>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hello all,

I'm part-way through a complete rebuild of the Kanga Products Web page and I'd

appreciate (constructive) feedback. I'm learning HTML as I go so there are probably things I've done wrong and things I could have done better... and the colour

scheme's a bit dull but it's supposed to look like a fibreglass (fiberglass) PCB!

In particular I'd like someone to check my working on the table in /Useful data/

Power and S-meters because it looks too good to be true!

Please have a look at <http://www.kanga.demon.co.uk> and let me know what you think, either here or at G4EDX@kanga.demon.co.uk. Thanks in advance.

73,

John G4EDX

-----  
Date: Mon, 29 May 2000 13:45:36 -0600  
From: "David Ek" <ekdave@earthlink.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [71336] ARCI Hoot Owl Sprint from Pike National Forest  
Message-ID: <005401bfc9a6\$76fe61c0\$0100a8c0@oldman>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Gang,

Well, the weather here in Colorado over this holiday weekend was just too nice to let slip by, so my hiking buddy and my son and I headed for the hills in Pike National Forest (just west of the Air Force Academy) and spent the night Sunday night. We spent Saturday morning and early afternoon hoofing up the Stanley Canyon trail and ended up about a mile north of Stanley Reservoir. Along came my Sierra, of course, and I managed to pull it out for the Hoot Owl Sprint last night, for an hour or so anyway. Thanks to the eight or so of you I managed to work on 40m--sorry if my fist was sloppy, but I was using a new portable paddle and didn't have a good feel for it yet. Working by the light of my candle lantern, sitting outside under a tree, well it just doesn't get much better than that. To top it off, the temp only got down to about 45 deg that night!

We're back in town now after about 3 hours of hiking. Better go shower before the XYL gets home...

73,

Dave AB0GO

-----  
Date: Mon, 29 May 2000 13:01:00 -0700 (PDT)  
From: Steve Yates <aa5tb@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [71337] Re: upgrade  
Message-ID: <20000529200100.11263.qmail@web3004.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I guess it was confusing when you said K2GVC upgraded and then signed "72's 73's de k2gvc". Oh well, tell him congratulations.

=====

73,

Steve Yates - AA5TB  
Fort Worth, TX - EM12gs  
<http://www.geocities.com/aa5tb>  
aa5tb@arrl.net

-----  
-----  
Do You Yahoo!?  
Kick off your party with Yahoo! Invites.  
<http://invites.yahoo.com/>  
-----

Date: Mon, 29 May 2000 16:00:42 -0400  
From: hamjoel@juno.com  
To: qrp-1@lehigh.edu  
Subject: [71338] Re: QRP and CW Tips  
Message-ID: <20000529.160045.-261139.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Iffin u gonna go qrp and want to make regular contacts most of the time u need to put up a good antenna.... qrp ssb, sstv, cw, psk will be no problem...

"course now I've made qrp sstv, ssb, cw etc contacts with my antenna laying on the ground... However U will make more 5x5 or 5x9 contacts in whatever mode with a bigger ... higher efficient antenna...and of course the niv antennas work fine also...

Iffin u gonna go down on the power u need to go to a better antenna or be happy calling cq, or getting a qrz...just the way life is I guess..

ke1la joel  
in maine  
making regular contacts  
often...

-----  
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Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.  
-----

Date: Mon, 29 May 2000 16:14:41 EDT  
From: Wb8siw@aol.com  
To: cqdx@teleport.com, qrp-1@lehigh.edu  
Subject: [71339] Re: Will be sitting on the fence today...  
Message-ID: <9.60cc8e9.266429b1@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"



Content-Transfer-Encoding: 7bit

In a message dated 05/29/2000 2:19:18 PM Eastern Daylight Time,  
cqdx@teleport.com writes:

<< PSS. Has anyone else noticed the large increase in USA SSB stations  
conducting qso's exactly on 14.150MHz?? Have the bands been expanded? >>

Guess that's what happens when the tests cover alot of rules and regulations  
and overlook little details...like the concept of "occupied bandwidth."

73, Jim

-----  
Date: Mon, 29 May 2000 16:29:51 EDT  
From: W0rw@aol.com  
To: qrp-l@lehigh.edu  
Subject: [71340] Li-Ion Batteries  
Message-ID: <79.4b01e1f.26642d3f@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Li-Ion batteries can be obtained out of used or discarded laptop computer  
battery packs. You have to take these battery packs apart to check the  
individual batteries.

Sometimes only the charging circuit has failed and the batteries are  
perfectly good, or there may only be one bad cell.

Check your local computer repair store.

The NiMH type batteries are really not worth the trouble, but the Li-Ion  
batteries are super.

i have found some Sony US26650 (they are now obsolete) rated at  
2.8 Amp Hours, they are about 4.3 volts per cell, the cells are about  
the size of a long "C" cell, (1 inch in diameter and 2 inches long,  
each cell weighs 4 ounces).

The energy density is so high you don't want to accidentally short these  
puppies out, (4 batteries = 50W), make sure you are careful when taking them  
out of a sealed battery case, don't short them with a knife.

My Sierra loves 17-18 volts that 4 batteries produce but you better check  
you rig specs before you hang 4 of them on it, 3 batteries will work fine at  
13 volts.

They power my 5W Sierra for days.

72 de W0rw Paul

-----  
Date: Mon, 29 May 2000 13:37:47 -0700

From: Radman <radman@best.com>  
To: "'Andy GM0NWI'" <Gm0nwi@tesco.net>, Low Power Amateur Radio Discussion <qrp-  
l@Lehigh.EDU>  
Cc: "'bejones@hursley.ibm.com'" <bejones@hursley.ibm.com>  
Subject: [71341] RE: K2 & FT100 VFO DIAL KNOB..??  
Message-ID: <01BFC973.1953AF40@radman.vip.best.com>

Hi Andy & UK friends,

Recently, Brian Jones - G0UKB - posted FT-100 knob ordering info for hams in/near the UK. Sounds like a very simple, friendly process. I'm certain that Brian would be happy to give you local UK ordering specifics... :)

Best, Conrad Weiss - NN6CW

Brian's original post follows:

\*\*\*\*\*

Forwarded:

For any UK K2 owners I ordered the FT-100 knob (RA006800B) and rubber ring (RA0068200) from Yaesu UK yesterday (01962 866667).

Total cost of parts was 12.27 + 1.50 P&P (UK pounds).

Good service, I asked the phone answerer to be put through to Parts but she told me she could take my order directly. She had no problem locating the parts and told me they should be with me today!

Brian G0UKB  
Brian E Jones  
email: bejones@hursley.ibm.com-----

-----  
Date: Mon, 29 May 2000 20:30:46 -0700  
From: Jon Iza <iapizloj@biccc00.bi.ehu.es>  
To: qrp-l@lehigh.edu  
Subject: [71342] Re: through hole parts shortage?  
Message-ID: <393335E6.2395@biccc00.bi.ehu.es>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Folks,

just to let you know how the situation looks from overseas.  
I got to talk to the manager of one of the biggest part dealer  
in the region. He told me the same as Roy wrote the other day:  
> "What is true is the demand for certain parts is so low that  
> manufacturing is hard to justify, for both through hole and  
> surface mount, unless you can come up with a big order."  
One semiconductor engineer told him that, for through hole parts,  
the most time intensive step is encapsulation. If a voltage  
regulator chip and a MOSFET power transistor chip cost the same  
to produce and, once encapsulated, the voltage regulator is 10 cents  
and the transistor is a buck a piece, what will you choose to  
make?  
When I confronted him with the idea of the world going into SMT,  
he told me that small series will be through leaded, unless space  
is at premium. Setting up an automatic machine for SMT building  
is very expensive, and it is now justifiable unless production  
numbers are big. And funny as it may sound, some SMT parts are  
offered with delivery times counting in months. Tantalum caps, he  
told me, are now being auctioned!  
He also told me some European "big name" custom chip makers are  
turning down clients for they cannot cope with demand, so little  
league folks are now turning their sight to "common" parts  
with lots of manufacturers and lots of backup factories making  
them. They don't want to rely in one unique factory making "the"  
chip they need for a production run.  
I guess this rambling may become a little off-topic, but it's  
nice to know several points of view.  
Be well.  
jon, ea2sn

-----  
Date: Mon, 29 May 2000 10:43:24 -1000  
From: "Art Neilson, WH7N" <art@pilikia.hi.net>  
To: qrp-l@lehigh.edu  
Subject: [71343] San Luis Machine Co  
Message-ID: <3.0.6.32.20000529104324.0093ae60@pilikia.hi.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Does anyone know how to contact San Luis Machine Company?  
I filed one of my bearings on the K8FF paddle kit a wee bit too  
much, they do work fb however I'd like to order the bearings  
from San Luis and try to get my paddles perfect...

73's!!

--

/-- ) \_/\_ It is a capital mistake to theorise before one has data.  
 /--/ \_ \_ / Insensibly one begins to twist facts to suit theories,  
 / ( \_/ ( \_< \_ Instead of theories to suit facts.  
 -- Sherlock Holmes, "A Scandal in Bohemia"

Arthur W. Neilson III, WH7N  
Bank of Hawaii Tech Support  
art@pilikia.hi.net, aneilson@boh.com, wh7n@arrl.net

-----  
Date: Mon, 29 May 2000 16:55:54 EDT  
From: KC4FKX@aol.com  
To: qrp-l@lehigh.edu (Low Power Amateur Radio Discussion)  
Subject: [71344] Guide to Making CW Contacts  
Message-ID: <d.561a269.2664335a@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Fellow QRPer's,

If you have not seen this sight it is a must. While most of us are comfortable on the CW bands you should at least bookmark this sight for reference, but especially for the next person you try to help get involved in CW.

Those of you new to the CW bands...this is a must!

See what I'm talking about at <http://www.netwalk.com/~fsv/CWguide.htm>

72, Frank

-----  
Date: Mon, 29 May 2000 13:57:26 -0700  
From: "JC Smith" <jc-smith@worldnet.att.net>  
To: <W1XV@cs.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [71345] Re: source for RG-174  
Message-ID: <003a01bfc9b1\$e3bbe700\$3404480c@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
 charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gosh, I thought all the ham stores carried it. I have purchased it from the Burghardt Amateur Center (<http://www.burghardt-amateur.com>) and The Radio Works (<http://www.radioworks.com>). I'm sure places like The Wireman and Cable X-Perts also carry it. You should also be able to get it at most any good electronics distributor.

72 - JC,k0hps@amsat.org

----- Original Message -----

From: <W1XV@cs.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Monday, May 29, 2000 11:06 AM

Subject: Re: source for RG-174

> I know that I saw a source for RG-174 not too long ago  
> on this relector. Can someone please refresh my memory?  
> Tnx in advance.  
> 72/73 Brad W1XV  
>

-----  
Date: Mon, 29 May 2000 17:13:34 -0400

From: john@neknetwork.com

To: unlisted-recipients;; (no To-header on input)

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [71346] Re: Guide to Making CW Contacts

Message-ID: <3932DD7E.6824E5CB@neknetwork.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

This is a great site, in fact it's one I printed and read while waiting to take my Tech+ test last year. I used it as a guide for my first QSO, and it was spot on.

The cool thing is about 2 months or so after getting my ticket, I worked WB8FSV one night on 40 meters! I didn't realize Jack was the same guy who wrote the site till I looked him up on QRZ.com. He has a very good fist, and seems very relaxed and smooth at the key - much more so than I am anyway.

73,

John, KB1ENS

KC4FKX@aol.com wrote:

>  
> Fellow QRPer's,  
>  
> If you have not seen this sight it is a must. While most of us are  
> comfortable on the CW bands you should at least bookmark this sight for  
> reference, but especially for the next person you try to help get involved in  
> CW.  
>  
> Those of you new to the CW bands...this is a must!  
>  
> See what I'm talking about at <http://www.netwalk.com/~fsv/CWguide.htm>  
>  
> 72, Frank  
>  
>

--

John Wagner - [john@neknetwork.com](mailto:john@neknetwork.com)

Web page: <http://www.neknetwork.com>

Affordable web site hosting under your domain name!

C/C++, Perl, CGI, RDBMS, Web site creation and

Network Administration

-----  
Date: Mon, 29 May 2000 15:46:24 +0000

From: Roy <[marion@montana.com](mailto:marion@montana.com)>

To: [art@pilikia.hi.net](mailto:art@pilikia.hi.net), "Low Power Amateur Radio Discussion" <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>

Subject: [71347] Re: San Luis Machine Co

Message-ID: <200005292148.PAA08689@mail.montana.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 10:43 AM 5/29/00 -1000, Art Neilson, WH7N wrote:

>Does anyone know how to contact San Luis Machine Company?

>I filed one of my bearings on the K8FF paddle kit a wee bit too

>much, they do work fb however I'd like to order the bearings

>from San Luis and try to get my paddles perfect...

>

You can hold the arm flat on some fine sandpaper and a few strokes will  
bring it back to loose again. I found some bearings in the hardware store  
where they keep all those drawers of bolts and such. In my experience,  
getting anything from San Luis is hopeless. Roy AB7CE

-----

Date: Mon, 29 May 2000 17:54:07 -0400  
From: Al Patrick <arp@inet4u.com>  
To: art@pilikia.hi.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [71348] Re: San Luis Machine Co  
Message-ID: <3932E6FF.3D1DD392@inet4u.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

"Art Neilson, WH7N" wrote:

```
> Does anyone know how to contact San Luis Machine Company?
> I filed one of my bearings on the K8FF paddle kit a wee bit too
> much, they do work fb however I'd like to order the bearings
> from San Luis and try to get my paddles perfect...
>
> 73's!!
> --
>
> /__ )  _/_ It is a capital mistake to theorise before one has data.
> /--/ __ /  Insensibly one begins to twist facts to suit theories,
> / (_/ (<__ Instead of theories to suit facts.
>                -- Sherlock Holmes, "A Scandal in Bohemia"
> Arthur W. Neilson III, WH7N
> Bank of Hawaii Tech Support
> art@pilikia.hi.net, aneilson@boh.com, wh7n@arrl.net
```

Art,

A search of the net, going through a qrp source, yielded:  
San Luis Machine Co.  
200 Suburban Road #F2  
San Luis Obispo, CA 93401

Email: slmachco@fix.net

73,

Al

--

"The Truth is Hate, to Those Who Hate the Truth"  
Do what's right. You'll please OR AMAZE everyone!

Love and hatred are both necessary. For one to love  
some things he must hate others, and visa versa.

-----  
Date: Mon, 29 May 2000 16:55:52 -0500  
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>  
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>  
Subject: [71349] Re: SMK-1 Web Photos of my work  
Message-ID: <000901bfc9b8\$a94b19e0\$cc365a3f@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I'm way behind on building my SMK-1.  
Everybody is on the air but me.  
But I'm plodding along.  
Here's a photo of my windings on T1.  
<http://www.indiana.net/~wd9eyb/smk/toroid.jpg>  
I have all the parts soldered to the board.  
Here's a photo of that.  
<http://www.indiana.net/~wd9eyb/smk/allbags.jpg>  
Use the following link to see all my work.  
<http://www.indiana.net/~wd9eyb/smk>

Jim, WD9EYB

-----  
Date: Mon, 29 May 2000 18:21:34 -0400  
From: "J. Ervin Bates" <w8erv@email.msn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [71350] QRP Weekend  
Message-ID: <03f401bfc9bc\$4057e540\$b9451b3f@win98>

Hi gang!

It was a BEEHIVE out there on 20m!!! I finally managed to finish the antenna and work out some "field difficulties" on Saturday evening, but had NO luck getting a contact. It wasn't until Sunday, 15 minutes before the end of the contest, that I made contact with NR1DX in New Hampshire. He was really cookin'!

The homebrew dipole apparently was working, but I am taking some time this week to have it checked for proper setup. The Emtech was superb and my hat's off to Doc for his fine work.....that thing sounded GREAT!



I am preparing a writeup about the weekend and the operation, complete with photos of our travels and will post with an Adobe attachment at that time-unless I am told NOT to. ;-) This will NOT be the only QRP-Only operation for me this year.....I think I can get used to this.

72,

Erv

HamFair2000 is coming...ask me about it!

"Dare to Dream-It Sets Your Spirit Free!"

-----  
10-10# 70639 - QRP-ARCI# 9702 - SOC# 41  
QRP-L #1569 - NorCal Zombie #236 - Worked All  
El Paso #033/1999 - Member, MI DX Assn.  
MI QRP Club, M-1688 - FPqrp- 50 - Member ARRL  
Rag Chewers' Club - WAC -

-----  
Date: Mon, 29 May 2000 15:24:00 -0700 (PDT)  
From: wa4dou@excite.com  
To: qrp-l@lehigh.edu  
Subject: [71351] My Member # in Mich. QRP Club?????????  
Message-ID: <33013654.959639040406.JavaMail.imal@chilly.excite.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Help,

Sprint starts in 35 minuities and i can't remember , or find my member #!  
Don't have any T5W's laying around to get it off of. Anyone got any  
ideas?????

Otherwise, i'll have to just be a 2 pointer!!! Ha! 73 Roy WA4DOU

-----  
Get 100% FREE Internet Access powered by Excite  
Visit <http://freelane.excite.com/freeisp>

-----  
Date: Mon, 29 May 2000 14:37:36 -0800  
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>, qrp-canada <qrp-canada@lists.gpfn.sk.ca>  
Subject: [71352] QRP-L CD Version 3 - Weekly Friday Repost (long) and late this week  
Message-ID: <3932F130.3F7A52D5@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Greetings from the QRP-L CD Providers, now communicating in one consolidated message to keep traffic on QRP-L to a minimum. We will post once a week until the end of June and then once a month for a while.

QRP-L CD Version 3.0 CD-ROM (Editor - WB8RCR, John McDonough)

Overview from the QRP-L CD:

Well, it's finally here! Version 3 of the QRP-L CDRom, and since version 2, we've had a lot of changes on the list, the startup of QRP-F, a much more active and aggressive QRP ARCI, and a new millennium! This CD contains the entire QRP-L archive for the 20th century, as well as a few months of the 21st. (1993 through sometime in April 2000)

Much of the material for this one is the same as Volume 2, except, of course, for the updated archives. If you have anything you can contribute, please send it along to WB8RCR <mailto:wb8rcr@arrl.net> for the next release. I'm sure your fellow QRPers would appreciate your sharing.

WB8RCR has included the latest version of QSLMaker - And also in the QSLMaker directory is a set of new background bitmaps. These are especially for ARCI members (QRP Amateur Radio Club International) who want to display the ARCI logo on their card.

There are links to the HTML directories and the QRP-L archives.

- \*\* QRP-L Archives
- \*\* Chuck Adams, K7QO, pictures
- \*\* Glen Leinweber, VE3DNL, Elmer101 Web Page
- \*\* KB0HQ's Pixie and SMiTe files

\*\* NEC2 - The NEC antenna design program  
\*\* PCPGMS - Misc Utilities  
\*\* RUFZ - The RUFZ morse code program  
\*\* SPICE - Spice modeler and many of the models included  
\*\* WB8RCR - QSLmaker and some graphics - The latest version  
\*\* and much more

=====

How to get your own Version 3 copy of the QRP-L CD.

=====

There are four people ready to take orders for the QRP-L CD Version 3,  
dated May 7, 2000.

They can supply a blank CD or accept one from you.

Plan A: Your blank CD

-----

Put a blank CD in one of those plastic sleeves (i.e. don't send the  
jewel box). Put this CD in a sturdy cardboard mailer. Put your  
mailing address on the mailer. Put postage on the mailer.  
(Typical postage is 77 cents in the USA, though if you use a bubble  
mailer or one of those thick padded mailers it might be more.)  
Now put this mailer into a larger (of course) mailer addressed  
to one of the Providers (see below). Write your name AND email  
address on a small slip of paper and enclose it as well.

Plan B: Provider provides the blank CD

-----

Send a check for \$10 USD payable to one of the providers (see below).  
\$10 USD will cover the QRP-L CD for International as well as domestic.  
Please enclose a self-adhesive mailing label with your mailing address.  
Write your name AND email address on a small slip of paper and enclose  
it as well. If you don't have a self-adhesive label just put your  
mailing address neatly on a piece of paper so that we can cut out  
and tape to the package.

Send your package or envelope to:

Jim Larsen, AL7FS           mailto:al7fs@pobox.alaska.net  
3445 Spinnaker Drive  
Anchorage, AK 99516-3424   OR

Michael Bower, N4NMR   mailto:bowerm@ix.netcom.com

43304 Wayside Circle  
Ashburn, VA 20147-4621 OR

Bob Patten, N4BP      <mailto:n4bp@bc.seflin.org>  
2841 N.W. 112 Terrace  
Plantation, FL 33323 OR

Michael Gipe, K1MG      <mailto:mgipe@reliablemeters.com>  
12770 Lika Ct  
Saratoga, CA 95070

Upon receipt, We will email you to confirm receipt of your package--IF  
you remembered to enclose your email address :-)

-----

Plan C: You can use PayPal and we provide blank CD.

-----  
PayPal Information - Three of the providers are set up for PayPal -  
AL7FS, N4NMR and K1MG.

PayPal accounts are now available that the Providers can use to receive  
payment by MasterCard or Visa. PayPal is available at  
<http://www.PayPal.com>

If you would like a new PayPal account you can use these links to get  
there.

AL7FS as referral:  
<https://secure.paypal.com/refer/pal=al7fs%40pobox.alaska.net>  
N4NMR as referral:  
<https://secure.paypal.com/refer/pal=bowerm%40ix.netcom.com>  
K1MG as referral:  
<https://secure.paypal.com/refer/pal=mgipe%40reliablemeters.com>

Feel free to use one of our address as the referring party if you do set  
up a new account. :-)

Use ONE of the below email addresses as the PayPal account numbers for  
the transmission of the \$10 USD.

Pay Pal Account numbers  
Jim Larsen, AL7FS      [al7fs@pobox.alaska.net](mailto:al7fs@pobox.alaska.net)

Michael Bower, N4NMR      [bowerm@ix.netcom.com](mailto:bowerm@ix.netcom.com)

Michael Gipe, K1MG      [mgipe@reliablemeters.com](mailto:mgipe@reliablemeters.com)

If you choose to use PayPal you need to email the Provider also with your information as follows:

#### General Guidelines

Email Subject:

\*\* QRP-L CD order from (your call) via PayPal

Text:

\*\* Repeat your PayPal email address

\*\* Provide your mailing Name and address

\*\* Add any other comments on the bottom of the message as needed.

-----

International Mailings

-----

It looks like the package will weigh less than 3 ounces. The \$10 USD will cover the International postage just fine.

Therefore, \$10 USD will cover the QRP-L CD for International as well as domestic USA.

Upon receipt or Check or PayPal or blank CD, the Provider will email you to confirm receipt and suggest how long it will take to get the CD off to you.--IF you remembered to enclose your email address :-)

-----

Websites with the QRP-L CD information are available at:

<http://www.qsl.net/al7fs/> OR

<http://www.qsl.net/n4nmr/qrp1cdvol13.html/>

Questions? Send email to me at <mailto:AL7FS@pobox.alaska.net> or to any of the other Providers. Please make the subject line: QRP-L CD Question from (your callsign).

73, Jim, AL7FS

on behalf of AL7FS, N4NMR, N4BP and K1MG

--

Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>

Anchorage, Alaska <mailto:al7fs@pobox.alaska.net>

QRP ARCI #6754 Check out <http://www.qrparci.org/>

=====

-----

Date: Mon, 29 May 2000 15:39:58 -0700

From: Phil Wheeler <[w7ox@earthlink.net](mailto:w7ox@earthlink.net)>

To: Wayne Burdick <n6kr@elecraft.com>  
Cc: elecraft@qth.net, qrp-1@lehigh.edu  
Subject: [71353] Re: [Elecraft] KBR1 ground-mount bracket update: desktop use  
Message-ID: <3932F1BE.F387979@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Wayne Burdick wrote:

>  
> We designed the KBR1 primarily for hiking/backpacking use, i.e. to operate  
> the K1 on the ground, rocky surfaces, etc. But the bracket also comes with  
> a pair of shorter arms that allow it to be used for desktop or mobile  
> mounting. We failed to mention this in our K1 data sheet.  
>  
> Another subtlety not mentioned is that the base of the bracket has plenty  
> of extra space on which to mount a keyer paddle.

Wayne,

It sounds like the base might be a good place for one of the "stick-on" magnets for my Paddlette paddles .. which feel almost as good (to me) as my Schurr Profis, and are much more practical for portable ops.

Re backpacking: I was planning to take my DSW-20 this weekend, but did not due to the 48 hour contest (DSW-20 is does not feel selective enuff for crowded band condx) and to save weight; but, since I forgot to take the 20 AA batteries out of my pack (10 primary, 10 spare), I took most of the weight with me .. to no good end.

After August, the K1 will become my BP radio. Having 40 for night (when no moving) makes it very desirable. BTW -- is there an official weight posted for the K1 yet?

Phil

-----  
Date: Mon, 29 May 2000 15:46:57 -0700  
From: Phil Wheeler <w7ox@earthlink.net>  
To: arp@inet4u.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [71354] Re: San Luis Machine Co  
Message-ID: <3932F361.E547196D@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

But I wonder if they are still there? I sent a check for replacement K8FF paddle bearings and a custom base over a year ago and got no response.

Phil

Al Patrick wrote:

```
>
> "Art Neilson, WH7N" wrote:
>
> > Does anyone know how to contact San Luis Machine Company?
> > I filed one of my bearings on the K8FF paddle kit a wee bit too
> > much, they do work fb however I'd like to order the bearings
> > from San Luis and try to get my paddles perfect...
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> > --
> >
> > /__ )  _/_ It is a capital mistake to theorise before one has data.
> > /--/ __ /  Insensibly one begins to twist facts to suit theories,
> > / (_/ (<__ Instead of theories to suit facts.
> >                -- Sherlock Holmes, "A Scandal in Bohemia"
> > Arthur W. Neilson III, WH7N
> > Bank of Hawaii Tech Support
> > art@pilikia.hi.net, aneilson@boh.com, wh7n@arrl.net
>
> Art,
>
> A search of the net, going through a qrp source, yielded:
> San Luis Machine Co.
> 200 Suburban Road #F2
> San Luis Obispo, CA 93401
>
> Email: slmachco@fix.net
>
> 73,
>
> Al
> --
> "The Truth is Hate, to Those Who Hate the Truth"
> Do what's right. You'll please OR AMAZE everyone!
>
> Love and hatred are both necessary. For one to love
> some things he must hate others, and visa versa.
```

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End of QRP-L Digest 1836

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